JVC

SERVICE MANUAL

COLOR TELEVISION

AV-32F475, AV-32F475, AV-32F485, AV-32F485,

GJ4







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SPECIFICATION

ltems -		Contents			
		AV-32F475	AV-32F485		
Dimensions (W \times H \times D)		93.9 cm \times 68.5 cm \times 57cm (37" \times 27" \times 2	2-1/2")		
Mass		64.0kg (140.8lbs)			
TV RF System		CCIR (M)			
Color System		NTSC			
Sound System		BTSC (Multi Channel Sound)			
and Frequency VHF high UHF CATV		02ch~06ch: 54MHz~88MHz 07ch~13ch: 174MHz~216MHz 14ch~69ch: 470MHz~806MHz 54MHz~804MHz Low Band: 02~06, A-8 by 02~06&01 High Band: 07~13 by 07~13 Mid Band: A~I by 14~22 Super Band: J~W by 23~36 Hyper Band: W+1~W+28 by 37~64 Ultra Band: W+29~W+84 by 65~125 Sub Mid Band: A8, A4~A1 by 01, 96~99			
TV / CATV Total Channe	el .	180 Channels			
		45.75 MHz 41.25 MHz (4.5MHz)			
Color Sub Carrier		3.58 MHz			
Power Input		AC120V, 60Hz			
Power Consumption		160W			
Picture Tube (Visible size	e)	80cm (32") Measured diagonally (H: 65.6	6cm × W : 49.6cm)		
High Voltage		31.4kV ±1.3kV [at Zero beam current]			
Speaker		6.5cm $ imes$ 13cm (2-1/2" $ imes$ 5"), Oval type $ imes$ 2	2		
Audio Power Output		7.5W + 7.5W	9W + 9W		
Antenna Terminal (VHF)	/ UHF)	F-type connector, 75 Ω unbalanced			
Video / Audio input Input-1/2/3	S-video [Input-1] Video	Proof RCA pin jack \times 3 Y: 1V(p-p), negative sync, 75 Ω Proof			
Audio Output (Fix)		500mV(rms)(-4dBs), low Impedance, (400kHz when modulated 100%), RCA pin jack \times 2			
Remote Control Unit		RM-C1258G (AA/R6/UM-3 battery × 2)			

Design & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (△) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) Use isolation transformer when hot chassis.

The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

- (5) Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

 Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED (NEUTRAL): (⅓) side GND and EARTH: (⅓) side GND.

 Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a $10 \text{k}\Omega$ 2W resistor to the anode button.
- (9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

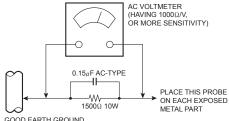
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

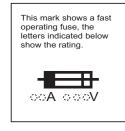
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

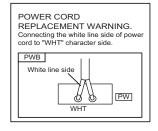
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly. See item "How to check the high voltage hold down circuit".





SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

SMART CAPTION [AV-32F485]

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND

Decreases high sound levels, giving a regulated sound level.

FLAT SQUARE CRT

It became legible from any position by CRT with few reflection and reflect lumps on the flat screen.

DIGITAL COMB FILTER

By the 3 line digital comb filter, the refreshed image can be seen.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

 $[STANDARD \leftrightarrow DYNAMIC \leftrightarrow THEATER \leftrightarrow GAME]$

COMPONENT INPUT

Since the component signal input terminal is equipped, it reappears direct without deteriorating the signal from DVD.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

RETURN PLUS

You program a specific channel to return to while scanning through the channels using the CH+ and CH - keys.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

WORLD CLOCK

The world clock feature provides time differences for some of the major cities around the world in real time.

BBE

High definition audio adds natural, clear and extraordinary sound quality to any program.

A.H.S. [AV-32F485]

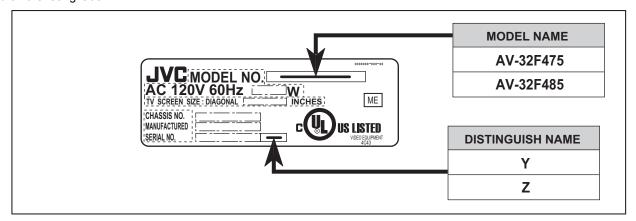
Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

HYPER SURROUND [AV-32F475]

Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.

2.2 HOW TO IDENTIFY MODELS

How to recognize from the appearance of the model concerned is written below. Please distinguish from several contents currently printed on the rating label



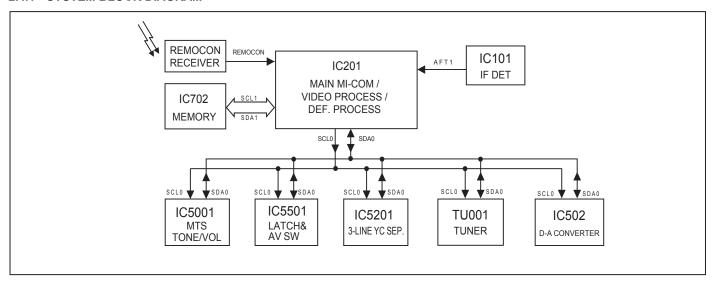
2.3 MAIN DIFFERENCE LIST

The difference between Y models and Z models are in the PICTURE TUBE.

Item	AV-32F475/Y	AV-32F475/Z	AV-32F485/Y	AV-32F485/Z
PICTURE TUBE (ITC)	A80AKS90X03	A80ERF082X17	A80AKS90X03	A80ERF082X17
SMART CAPTION	NO	←	YES	←
A.H.S.	NO	←	YES	←
HYPER SURROUND	YES	←	NO	←

2.4 TECHNICAL INFORMATION

2.4.1 SYSTEM BLOCK DIAGRAM



2.4.2 MAIN MI-COM (CPU) PIN FUNCTION

Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	MTS_ADJ	Ι	Not used	29	YC_GND	-	GND
2	AFT1	Ι	AFT voltage for tuner (Tuning frequency control)	30	V1_IN	I	Not used
3	KEY	I	Key scan for front control [No signal : H]	31	ABCL	I	Current for automatic beam (brightness)/contrast limit
4	uP_DVss	-	GND	32	MONITOR_OUT	0	Not used
5	Reset	- 1	CPU reset	33	BLACK_DET	-	Black level detection filter
6	8MHz_OUT	0	CPU system clock : 8MHz oscillation	34	SVM_OUT	0	Y signal for velocity scan modulation
7	8MHz_IN	Ι	CPU system clock : 8MHz oscillation	35	APL_FIL	-	Average picture level filter
8	TEST	-	GND	36	APC_FIL	-	Automatic phase control filter
9	uP_DVDD	-	5V	37	fsc_OUT	0	Color sub carrier (3.58MHz) for 3-line digital comb filter [IC5201]
10	AGC_MUTE	0	AGC muting for tuner (when channel select) [Muting : H]	38	YC_Vcc	-	5V (for video process circuit)
11	uP_VVSS	-	GND	39	R_OUT	0	R signal
12	TV_HGND	-	GND	40	G_OUT	0	G signal
13	FBP_SCP	I	Flyback pulse (H. pulse)	41	B_OUT	0	B signal
14	HOUT	0	H. drive (oscillation)	42	RGB_Vcc	-	9V (for RGB process circuit)
15	H_Vcc	-	9V (for H. oscillation start)	43	IK_IN	I	Not used
16	HAFC_1	-	H. AFC filter	44	TV_DGND	-	GND
17	Vsaw	-	V. saw filter	45	uP_AGND	-	GND
18	VOUT	0	V. drive	46	uP_AVdd	-	5V
19	EW_OUT	0	Parabola waveform (for sidepin correction)	47	MAIN_POWER	0	Power on/off switching control [Powen on : L]
20	X-RAY	I	X-ray detection (for protection) [Detection : H]	48	PANORAMA	I	Not used
21	Ys	I	Not used	49	SDAO	I/O	Data for Inter IC control bus (for various devices)
22	Cb_IN	- 1	Cb (external) signal	50	SCLO	0	Clock for Inter IC control bus (for various devices)
23	Y_IN	I	Y (external) signal	51	SDA1	I/O	Data for Inter IC control bus (for main memory)
24	Cr_IN	1	Cr (external) signal	52	A_MUTING	0	Audio muting [Muting : H]
25	TV_DVcc	-	3.3V	53	SCL1	0	Clock for Inter IC control bus (for main memory)
26	V3IN/CIN	ı	Chroma signal (for YC separation output)	54	LED	0	POWER / ON TIMER LED Indication [lighting : L]
27	EHT_IN	I	Not used	55	REMOCON	I	Remote control sensor input [No input : H]
28	V2_IN/Y_IN	ı	Y signal (for YC separation output)	56	ASP_ABL	I	Not used

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE REAR COVER

- (1) Disconnect the power plug.
- (2) Remove the 11 screws [A].
- (3) Withdraw the REAR COVER backward.

3.1.2 REMOVING THE AV TERMINAL BOARD

- · Remove the REAR COVER.
 - (1) Remove the 5 screws [B].
 - (2) Withdraw the AV TERMINAL BOARD toward you.

3.1.3 REMOVING THE CHASSIS

- · Remove the REAR COVER.
- · Remove the AV TERMINAL BOARD.
 - (1) Slightly raise the both sides of CHASSIS by hand.
 - (2) Remove the 2 claws under the both side of the CHASSIS from the front cabinet.
 - (3) Withdraw the CHASSIS backward.
 (If necessary, remove the wire clamp, connectors etc.)

3.1.4 REMOVING THE SPEAKER

- Remove the REAR COVER.
 - (1) Remove the 2 screws [C].
 - (2) Remove the 2 screws [D] and remove the SPEAKER.
 - (3) Follow the same steps when removing the other hand SPEAKER.

NOTE:

When remove the 2 screws **[C]** of the SPEAKER, remove the lower side screw first, and then remove the upper one.

3.1.5 REMOVING THE LED & POWER SW PWB

- Remove the REAR COVER.
 - (1) Remove the 2 screws [E].
 - (2) Withdraw the LED & POWER SW PWB toward you.
- *If necessary, remove the wire clamp, connector etc.

3.1.6 REMOVING THE FRONT CONTROL PWB

- · Remove the REAR COVER.
 - (1) Remove the 2 screws [F].
 - (2) Withdraw the FRONT CONTROL PWB toward you.
- *If necessary, remove the wire clamp, connector etc.

3.1.7 CHECKING THE CHASSIS

To check the PW Board from back side.

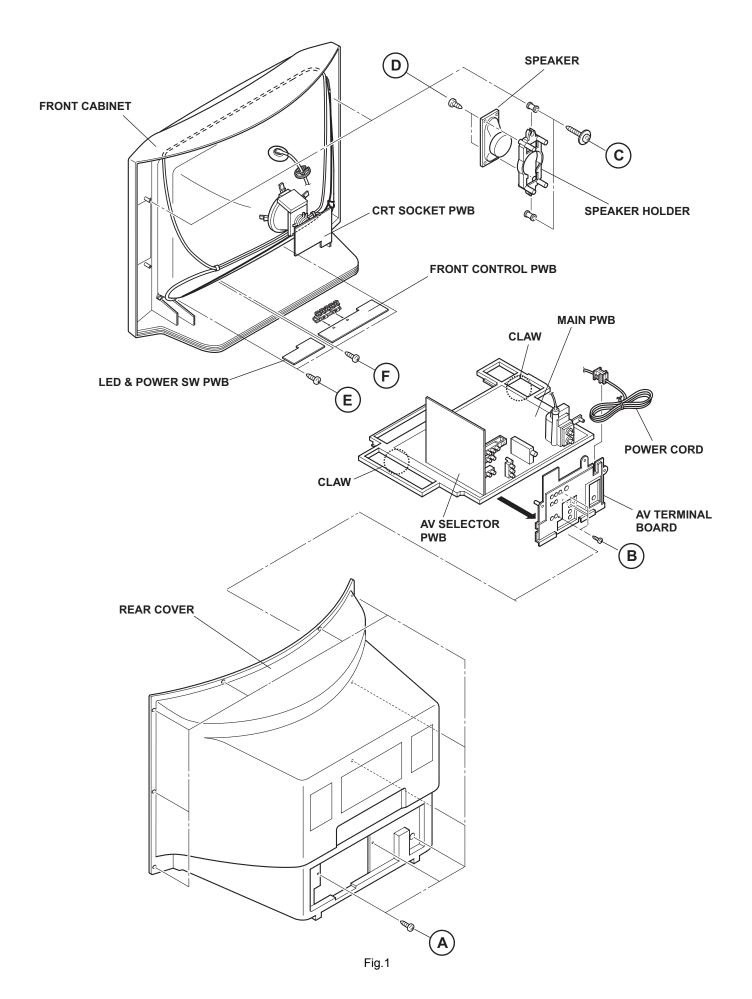
- (1) Pull out the CHASSIS (refer to REMOVING THE CHASSIS).
- (2) Erect the CHASSIS vertically with the HVT side facing up so that you can easily check the back side of the PW board.

CALITION

- When erecting the CHASSIS, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.

3.1.8 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



3.1.9 REMOVING THE CRT

NOTE:

- Replacement of the CRT should be performed by 2 or more persons.
- · After removing the REAR COVER, CHASSIS etc.,
- (1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 3).
- (2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 3.
- (3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 4.

NOTE:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front

surface of the cabinet) shown in Fig. 5.

NOTE:

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

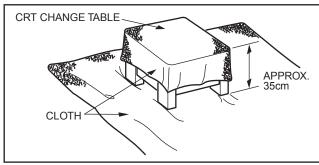


Fig.3

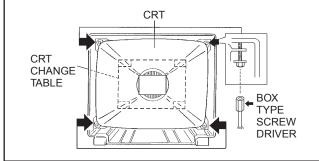


Fig.4

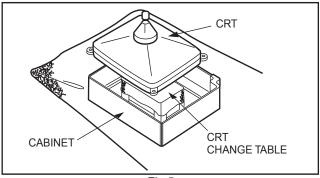


Fig.5

COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION.

Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig.6.Wipe around the anode button with clean and dry cloth. (Fig.6)Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not sticks to the anode button. (Fig.7)

Silicon grease product No. KS - 650N

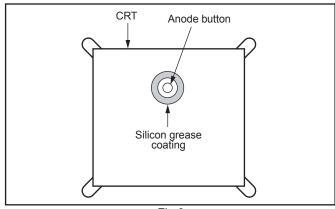


Fig.6

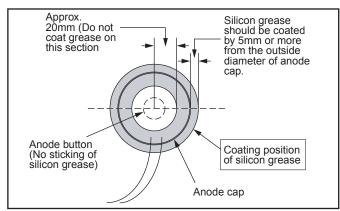


Fig.7

3.2 MEMORY IC REPLACEMENT

- · This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power cord from the wall outlet.

2. Replace the memory IC

Be sure to use a memory IC written with the initial setting data.

3 Power on

Connect the power cord to the wall outlet and switch on the power.

4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

5. User settings

Check the user setting items according to the "FACTORY SETTING ITEM" table.

Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary(Fig.1).

Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING ITEMS

SERVICE MENU

SERVICE MENU 1. V/C(S) 2. DEF(D) 3. SOUND(A) 4. OTHERS(F) 5.3L Y/C(LYC) 7.LOW LIGHT 8. HIGH LIGHT 9.VCO 11.I2C BUS 12. SYSTEM(SYS) SELECT BY EXIT BY EXIT OPERATE BY ◀ ▶

Fig.1

Setting items	Settings	Item No.
1. V/C (Video setting)	Adjust	S01~S48
2. DEF (Deflection setting)	Adjust	D01~D33
3. SOUND(A) (Audio setting)	Adjust	A01~A08
4. OTHERS [Do not adjust] (Factory setting)	Fixed	F01~F18
5. 3L Y/C [Do not adjust] (Y/C Separate setting)	Fixed	LYC01~LYC12
7. LOW LIGHT (White balance setting)	Adjust	
8. HIGH LIGHT (White balance setting)	Adjust	
9. VCO (VCO setting)	Adjust	
11. I2C BUS [Do not adjust] (I ² C BUS setting)	Fixed	
12.SYSTEM (SYS) (System constant setting)	Fixed	SYS01~SYS25

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CH-02
VOLUME	10

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position	
INPUT		TV	
CHANNE	L	CH-02	
VOLUME		10	
MUTING		OFF	
DISPLAY		OFF	
OFF TIMER		OFF	
THEATER PRO		OFF	
VIDEO ST	ratus .	DYNAMIC	
ASPECT		4:3	
	A.H.S	OFF [AV-32F485]	
SOUND	HYPER SURROND	OFF [AV-32F475]	
	BBE	ON	

3.2.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE ADJUST

Setting item	Setting position
TINT	0
COLOR	0
PICTURE	+8
BRIGHT	0
DETAIL	+8
COLOR TEMPERATURE	HIGH
NOISE MUTING	ON
VSM	ON

(2) SOUND ADJUST

Setting item	Setting position
BASS	0
TREBLE	0
BALANCE	0
MTS	STEREO
SMART SOUND	OFF

(3) CLOCK / TIMERS

Setting item	Setting position
SET CLOCK	OFF
ON / OFF TIMER	OFF
WORLD CLOCK	Refer to OPERATING INSTRUCTIONS

(4) INITIAL SETUP

Setting item	Setting position
LANGUAGE	ENG.
CLOSED CAPTION	OFF
FRONT PANEL LOCK	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
VIDEO INPUT LABEL	Refer to OPERATING INSTRUCTIONS
V-CHIP	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

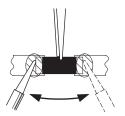
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

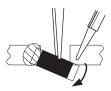
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.

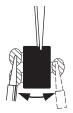


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



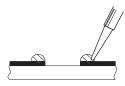
NOTE:

After removing the part, remove remaining solder from the pattern.

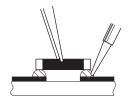
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

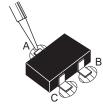


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

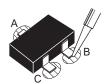


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

ltem	Preset value
ASPECT	4:3
VIDEO STATUS	STANDARD
TINT / COLOR / PICTURE / BRIGHT / DETAIL	0
COLOR TEMPERATURE	LOW
VSM	OFF
BASS / TREBLE / BALANCE	0
MTS	STEREO
BBE	OFF
A.H.S [AV-32F485]	OFF
HYPER SORROUND [AV-32F475]	OFF

4.3 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or digital voltmeter)
- Oscilloscope
- Frequency counter
- Signal generator (Pattern generator) [NTSC]
- · TV audio multiplex signal generator
- · Remote control unit

4.4 ADJUSTMENT ITEMS

■CHECK ITEM

- B1 POWER SUPPLY check
- · HIGH VOLTAGE HOLD DOWN check

■TUNER / IF CIRCUIT

IF VCO adjustment

■FOCUS

· FOCUS adjustment

■DEFLECTION CIRCUIT

- V. SIZE / V. POSITION (4:3) adjustment
- V. SIZE / V. POSITION (16:9) adjustment
- H. POSITION / H. SIZE / SIDE PIN (4:3) / (16:9) adjustment

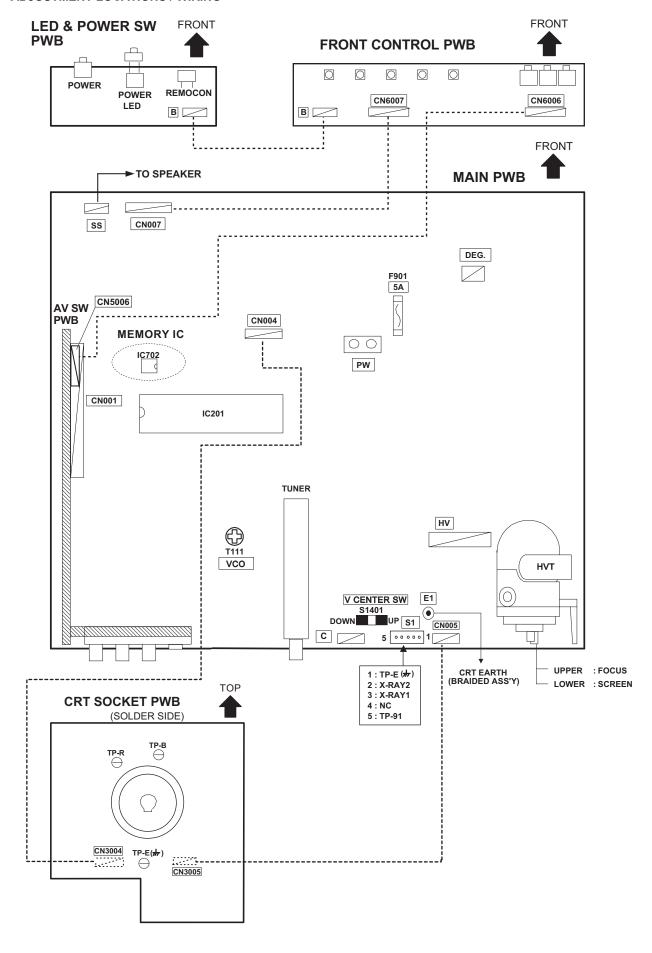
■VIDEO CIRCUIT

- WHITE BALANCE(High Light & Low Light) adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment

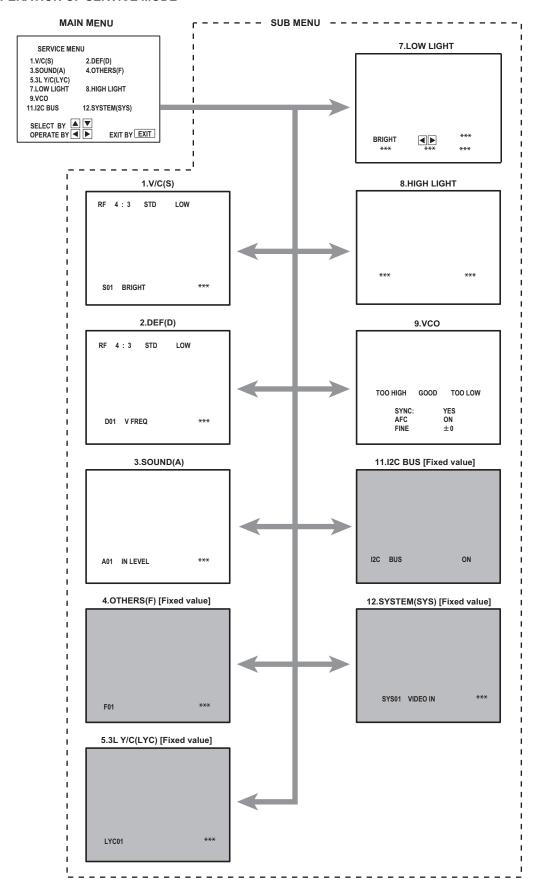
■MTS CIRCUIT

- · MTS INPUT LEVEL adjustment
- · MTS SEPARATION adjustment

4.5 ADJUSTMENT LOCATIONS / WIRING



4.6 BASIC OPERATION OF SERVICE MODE



4.6.1 TOOL OF SERVICE MODE OPERATION

Operate the SERVICE MODE with the REMOTE CONTROL UNIT.

4.6.2 SERVICE MODE ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MODE.

1. V/C (S)	This sets the setting values of the VIDEO circuit.
2. DEF (D)	This sets the setting values of the DEFLECTION circuit.
3. SOUND (A)	This sets the setting values of the AUDIO circuit.
4. OTHERS (F)	This sets the setting values of the factory settings. [Do not adjust]
6. 3L Y/C(LYC)	This sets the setting values of the 3 line YC separation control circuit. [Do not adjust]
7. LOW LIGHT	This sets the setting values of the WHITE BALANCE (LOW LIGHT) control circuit.
8. HIGH LIGHT	This sets the setting values of the WHITE BALANCE (HIGH LIGHT) control circuit.
9. VCO	This sets the setting values of the VCO control circuit.
11. I2C BUS	This sets the setting values of the I ² C BUS control circuit. [Do not adjust]
12. SYSTEM(SYS)	This sets the setting values of the system control circuit. [Do not adjust]

4.6.3 HOW TO ENTER THE SERVICE MODE

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
- (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.

NOTE:

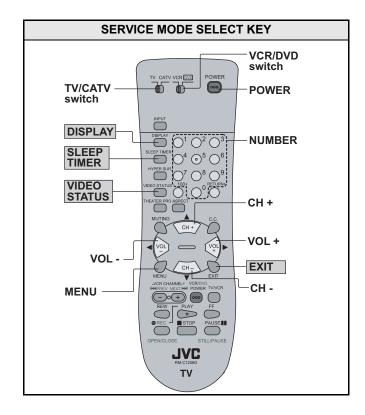
Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

4.6.4 HOW TO STORE OF SETTING VALUE

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys

4.6.5 HOW TO EXIT THE SERVICE MODE

Press the [EXIT] key to exit the SERVICE MODE.



4.6.6 SERVICE MODE SETTING

1. V/C, 2. DEF

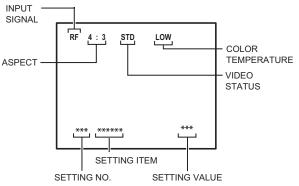
• Press [CH+] / [CH-] key

For scrolling up/down the adjustment item.

Press [VOL+] / [VOL-] key
 For scrolling up/down the data values.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.



(1) INPUT SIGANL

RF: Antenna input

COMP : External (component) input EXT : External (S / Composite) input

(2) ASPECT

4:3 : 4:3 screen mode 16:9 : 16:9 screen mode

(3) VIDEO STATUS

STD: STANDARD THEA: THEATER

(4) COLOR TEMPERATURE

HIGH : White balance high mode LOW : White balance low mode

3. SOUND (A)

• Press [CH+] / [CH-] key

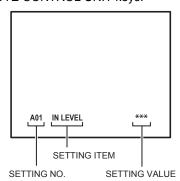
For scrolling up/down the adjustment item.

Press [VOL+] / [VOL-] key

For scrolling up/down the data values.

NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

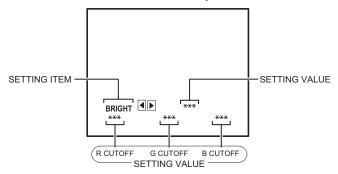


7. LOW LIGHT

The settings for LOW LIGHT is described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.

NOTE

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

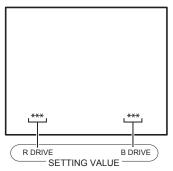


8. HIGH LIGHT

The settings for HIGH LIGHT is described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.

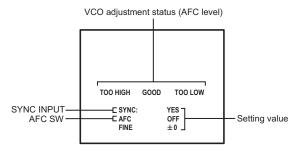
NOTE:

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.



9. VCO

The setting for VCO is described in the IF VCO page of ADJUSTMENT PROCEDURE.



4.7 INITIAL SETTING VALUE OF SERVICE MODE

- (1) Adjustment of the SERVICE MODE is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- (2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT PROCEDURE.
- (3) ---: This mark described in each table shows "Cannot adjust it."

4.7.1 [1.V/C(S)]

			Initial setting value				
No.	Setting item	Variable range		RF		EXTERNAL (S / COMPOSITE)	EXTERNAL (COMPONENT)
			STAN	DARD	THEATER	STANDARD	STANDARD
			4:3	16:9	4:3	4:3	4:3
S01	BRIGHT	0 ~ 127	64				
S02	PICTURE	0 ~ 127	60				
S03	COLOR	0 ~ 127	48				45
S04	TINT	0 ~ 127	50				72
S05	DETAIL	0 ~ 63	35			40	40
S06	BRIGHT+-	-32 ~ +32		±0	+1	+4	+2
S07	PICT+-	-32 ~ +32		-8	-10	±0	±0
S08	COLOR+-	-32 ~ +32		±0	-3	+1	
S09	TINT+-	-32 ~ +32		±0	-3	+9	
S10	DETAIL+-	-32 ~ +32			±0		

			Initial setting value				
			AV-32F475/Z AV-32F485/Z				
No.	Setting item	Variable range		RF		EXTERNAL (S / COMPOSITE)	EXTERNAL (COMPONENT)
			STAN	DARD	THEATER	STANDARD	STANDARD
			4:3	16:9	4:3	4:3	4:3
S01	BRIGHT	0 ~ 127	64				
S02	PICTURE	0 ~ 127	60				
S03	COLOR	0 ~ 127	45				42
S04	TINT	0 ~ 127	54				70
S05	DETAIL	0 ~ 63	35			40	40
S06	BRIGHT+-	-32 ~ +32		±0	+1	-2	±0
S07	PICT+-	-32 ~ +32		-8	-10	±0	±0
S08	COLOR+-	-32 ~ +32		±0	-3	±0	
S09	TINT+-	-32 ~ +32		±0	-3	+9	
S10	DETAIL+-	-32 ~ +32			±0		

						Initial set	ting value				
	Setting	ng Variable		AV-32F475/Y AV-32F485/Y							
No.	item	range	RF / E	XTERNAL	(S / COMPC	SITE)	EX	TERNAL (C	COMPONEN	IT)	
			STAN	DARD	THE	ATER	STAN	DARD	THE	ATER	
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	
S11	R CUT OFF	0 ~ 255	30								
S12	G CUT OFF	0 ~ 255	30								
S13	B CUT OFF	0 ~ 255	30								
S14	R DRIVE	0 ~ 127	64								
S15	B DRIVE	0 ~ 127	64								
S16	R CUT +-	-128 ~ +127		±0	±0	±0	±0				
S17	G CUT +-	-128 ~ +127		±0	±0	±0	+5				
S18	B CUT +-	-128 ~ +127		±0	±0	±0	±0				
S19	R DRV +-	-128 ~ +127		+5	+13	+7	±0				
S20	B DRV +-	-128 ~ +127		+6	-25	-9	±0				
S21	NTSC MAT	0 ~ 3	3	3	1	1	2	2	1	1	
S22	BLACK ST	0 ~ 3	2		2						
S23	DC REST	0 ~ 1	1		1						
S24	DCRSW	0 ~ 1	1		1						

						Initial set	ting value			
	Setting	Variable	AV-32F475/Z AV-32F485/Z							
No.	item	range	RF / E	XTERNAL	(S / COMPC	SITE)	EX	TERNAL (COMPONEN	IT)
			STAN	DARD	THE	ATER	STAN	DARD	THE	ATER
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	0 ~ 255	30							
S12	G CUT OFF	0 ~ 255	30							
S13	B CUT OFF	0 ~ 255	30							
S14	R DRIVE	0 ~ 127	64							
S15	B DRIVE	0 ~ 127	64							
S16	R CUT +-	-128 ~ +127		±0	±0	±0	±0			
S17	G CUT +-	-128 ~ +127		±0	±0	±0	±0			
S18	B CUT +-	-128 ~ +127		±0	±0	±0	±0			
S19	R DRV +-	-128 ~ +127		+5	+13	+7	±0			
S20	B DRV +-	-128 ~ +127		+6	-25	-9	±0			
S21	NTSC MAT	0 ~ 3	3	3	1	1	2	2	1	1
S22	BLACK ST	0 ~ 3	2		2					
S23	DC REST	0 ~ 1	1		1					
S24	DCRSW	0 ~ 1	1		1					

No.	Setting	Variable	Initial setting value				
NO.	item	range	RF	EXTERNAL (S / COMPOSITE)	EXTERNAL (COMPONENT)		
S25	ASSY SHRP	0 ~ 7	4	4	4		
S26	BPF FO	0 ~ 1	0	0			
S27	KILR OFF	0 ~ 1	0	0			
S28	KILR SEN	0 ~ 1	1	1			

No.	Setting item	Variable range	Initial setting value
S29	RGB MUTE	0 ~ 1	0
S30	BLUE B	0 ~ 1	0
S31	VIDEO SW	0 ~ 3	3
S32	CMP ABCL	0 ~ 1	0
S33	OSD ABL	0 ~ 1	0
S34	OSD CONT	0 ~ 63	8
S35	SUB CONT	0 ~ 15	5
S36	ABL GAIN	0 ~ 3	0
S37	ABL PNT	0 ~ 3	3
S38	Y GAMMA	0 ~ 3	1
S39	Y MUTE	0 ~ 1	0
S40	SVM GAIN	0 ~ 3	3
S41	SVM PH	0 ~ 3	2
S42	WPL	0 ~ 1	0
S43	COL GMM	0 ~ 1	0
S44	V1 GAIN	0 ~ 7	4
S46	VMOFF DE	-128 ~ +127	+3
S47	APC CLK	0 ~ 1	1
S48	PIP ADJ	0 ~ 15	8

4.7.2 [2. DEF (D)]

			Initial setting value						
No.	Setting	<u> </u>		AV-32F475/ AV-32F485/			AV-32F475/2 AV-32F485/2		
	item	range	R	F	EXTERNAL	R	RF	EXTERNAL	
			4:3	16:9	4:3	4:3	16:9	4:3	
D01	V FREQ	0 ~ 3	0	0	3	0	0	3	
D02	AFC GAIN	0 ~ 3	0	0	2	0	0	2	
D03	H POSI	0 ~ 31	19		19	19		19	
D04	H POSI+-	-128 ~ +127		0			0		
D05	V PHASE	0 ~ 7	0		0	0		0	
D06	V PH+-	-128 ~ +127		0			0		
D07	V SIZE	0 ~ 127	58		58	42		42	
D08	V SIZE+-	-128 ~ +127		-30			-30		
D09	V CENTER	0 ~ 63	32		32	32		32	
D10	V CENT+-	-128 ~ +127		0			0		
D11	V S CORR	0 ~ 15	9		9	8		8	
D12	V S CO+-	-128 ~ +127		0			0		
D13	V LIN	0 ~ 15	10		10	8		8	
D14	V LIN+-	-128 ~ +127		0			0		
D15	H SIZE	0 ~ 63	49		49	28		28	
D16	H SIZE+-	-128 ~ +127		0			0		
D17	WVMT TOP	0 ~ 3	0	1	0	0	1	0	
D18	WVMT BTM	0 ~ 3	0	1	0	0	1	0	
D19	EWCR TOP	0 ~ 31	14		14	11		11	
D20	EWCR T+-	-128 ~ +127		0			0		
D21	EWCR BTM	0 ~ 31	16		16	11		11	
D22	EWCR B+-	-128 ~ +127		0			0		
D23	EW PARA	0 ~ 63	35		35	31		31	
D24	EW PARA+-	-128 ~ +127		0			-13		
D25	V EHT	0 ~ 7	0		0	0		0	
D26	V EHT+-	-128 ~ +127		0			0		
D27	H EHT	0 ~ 7	0		0	0		0	
D28	H EHT+-	-128 ~ +127		0			0		
D29	TRAPEZ	0 ~ 63	34		34	36		36	
D30	TRAPEZ+-	-128 ~ +127		0			0		
D31	V AGC	0 ~ 1	0	0	0	0	0	0	
D32	BLANK SW	0 ~ 1	0	0	0	0	0	0	
D33	VRMP BI	0 ~ 1	0	0	0	0	0	0	

4.7.3 [3. SOUND(A)]

No.	Setting item	Variable range	Initial setting value
A01	IN LEVEL	0 ~ 15	9
A02	LOW SEP	0 ~ 63	41
A03	HI SEP	0 ~ 63	36
A04	SAPC	0 ~ 1	0
A05	BBE BASS	-128 ~ +127	+6
A06	BBE TRE	-128 ~ +127	+6
A07	AHS MVE	-128 ~ +127	±0
A08	AHS MSC	-128 ~ +127	±0

4.7.4 [4. OTHERS(F)] [Do Not adjust : All fixed]

No.	Setting item	Variable range	Initial setting value
F01	OSD POSI	0 ~ 255	42
F02	OSD FREQ	0 ~ 255	90
F03	CCD POSI	0 ~ 255	48
F04	CCD FREQ	0 ~ 255	93
F05	CCD CONT	0 ~ 63	4
F06	PUR WBCK	0 ~ 1	0
F07	PUR CONT	0 ~ 63	2
F08	CCD PCHK	0 ~ 1	1
F09	VMOFF	0 ~ 1	0
F10	VNR CHK	0 ~ 255	3
F11	VCSN TM	0 ~ 255	5
F12	VM DAT A	-128 ~ +127	+8
F13	VM DAT B	-128 ~ +127	-8
F14	VM DAT C	-128 ~ +127	-20
F15	VM DAT D	-128 ~ +127	-32
F16	VM DAT E	0 ~ 1	1
F17	XDSID TM	0 ~ 255	15
F18	FM TRAP	0 ~ 1	0

4.7.5 [5. 3L Y/C(LYC)] [Do not adjust : All fixed]

No.	Setting item	Variable range	Initial setting value
LYC01	MODE	0 ~ 7	4
LYC02	VENH	0 ~ 7	1
LYC03	PDSOFF	0 ~ 1	0
LYC04	СВ	0 ~ 1	0
LYC05	VNLR	0 ~ 15	2
LYC06	GSEL0	0 ~ 1	0
LYC07	GSEL1	0 ~ 1	1
LYC08	COR	0 ~ 3	0
LYC09	TRAP	0 ~ 1	1
LYC10	CHTRAP	0 ~ 1	0
LYC11	CBPF	0 ~ 1	0
LYC12	ENHOFF	0 ~ 1	0

4.7.6 [12. SYSTEM(SYS)] [Do not adjust : All fixed]

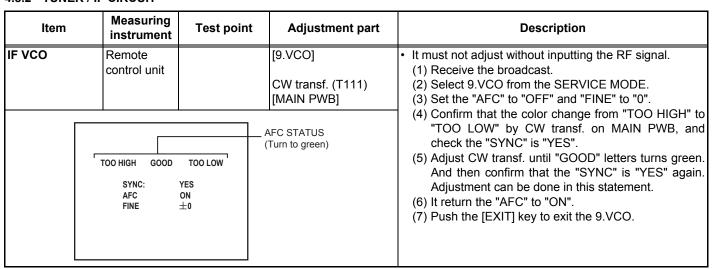
No	Setting	Variable	Initial set	ting value
No.	item	range	AV-32F475	AV-32F485
SYS01	VIDEO IN	0 ~ 4	3	3
SYS02	VSM	0 ~ 1	1	1
SYS03	CLR TEMP	0 ~ 1	1	1
SYS04	THEATER	0 ~ 1	1	1
SYS05	THEA PRO	0 ~ 1	1	1
SYS06	GAME MD	0 ~ 1	0	0
SYS07	AHS	0 ~ 1	0	1
SYS08	HYPER SR	0 ~ 1	1	0
SYS09	BBE	0 ~ 1	1	1
SYS10	S SOUND	0 ~ 1	1	1
SYS11	16:9 MD	0 ~ 3	1	1
SYS12	S CCD	0 ~ 1	0	1
SYS13	ID DISP	0 ~ 1	1	1
SYS14	CH LAB	0 ~ 1	1	1
SYS15	V LAB	0 ~ 1	1	1
SYS16	W CLOCK	0 ~ 1	1	1
SYS17	PIM	0 ~ 1	1	1
SYS18	PURITY	0 ~ 1	0	0
SYS19	VOL MUTE	0 ~ 1	1	1
SYS20	VCHIP	0 ~ 1	1	1
SYS21	VCHIP CA	0 ~ 1	1	1
SYS22	CCD	0 ~ 1	1	1
SYS23	HYPSCAN	0 ~ 1	1	1
SYS24	JVC LOGO	0 ~ 1	1	1
SYS25	PANORAMA	0 ~ 1	0	0

4.8 ADJUSTMENT PROCEDURE

4.8.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY check	DC voltmeter	S1 Connector 1-pin : TP-E 5-pin : TP-91 [MAIN PWB]		 (1) Receive the black-and-white signal. (color off) (2) Connect the DC voltmeter to the TP-E and TP-91(B1) of S1 connector. (3) Confirm that the voltage is DC134.5V±2V.
HIGH VOLTAGE HOLD DOWN check	Resistor (19.0k Ω , 1/4W)	S1 connector 1-pin : TP-E 3-pin : X-RAY1 [MAIN PWB]		 After reparing the high voltage hold down circuit. This circuit shall be checked to operate correctly. (1) Turn the power switch to on. (2) Refer to the figure, connect the resistor between S1 connector 1-pin and 3-pin.
B1 5	19.3kΩ±9	6.5Ω 1 S1 CONNEC	HEATER HVT	 (3) Make sure that the screen picture disappeares. (4) Disconnect the power plug. (5) Remove the resistor. (6) Again connect the power plug. (7) Turn the power switch to on. (8) Make sure that the normal picture is displayed on the screen.

4.8.2 TUNER / IF CIRCUIT



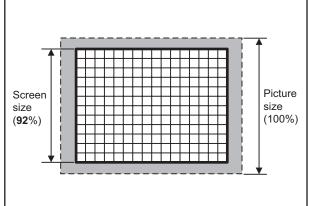
4.8.3 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	 (1) Receive the cross-hatch signal. (2) While watching at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be thinnest and sharpest center horizontal line. (3) Make sure that the picture is in focus even when the screen gets darkened.

4.8.4 DEFLECTION CIRCUIT

- The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Item	Measuring instrument	Test point	Adjustment part	Description
V. SIZE /	Signal		[2.DEF (D)]	(1) Receive the cross-hatch signal.
V. POSITION	generator		D05: V PHASE	(2) Select 2.DEF(D) from the SERVICE MODE.
(4:3)			D07: V SIZE	(3) Select the < D05 > (V PHASE).
	Remote			(4) Check that the value of < D05 > is 0.
	control unit		V. CENTER SW	(5) Adjust the vertical screen size of the visible screen
			(S1421)	top to 92% with the < D07 > (V SIZE) and V
			[MAIN PWB]	CENTER SW.
			<u> </u>	NOTE:
				 Bottom is to be located within 85%~95% range. When vertical linearity is not even, adjust vertical



	Initial setting value		
Setting item	AV-32F475/Y AV-32F485/Y	AV-32F475/Z AV-32F485/Z	
D05: V PHASE	()	
D07: V SIZE	58	42	

 When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).

V. SIZE /	Signal	[2.DEF (D)]
V. POSITION	generator	D08: V. SIZE+-
(16:9)		D14: V. LIN+-
	Remote	
	control unit	

Adjust point	Setting value	
В	50mm	

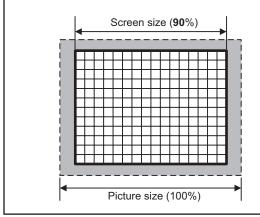
- V. SIZE / V. POSITION (4:3) adjustment should be finished.
- (1) Receive a black and white signal (color off).
- (2) Select 16:9 mode.
- (3) Confirm that the width of V. BLANKING is equal to adjustment value (B).
- (4) If the adjustment is not correct, select 2.DEF(D) from the SERVICE MODE.
- (5) Then adjust the < D08 > (V. SIZE+-) and < D14 > (V. LIN+-) to be same to adjustment value (B).

NOTE:

 When you change the VERTICAL adjustment value of the regular mode (4:3), review the adjustment of 16:9 mode again.

Setting item	Initial setting value	
D08: V SIZE+-	-30	
D14: V LIN+-	0	

Item	Measuring instrument	Test point	Adjustment part
H. SIZE / H. POSITION / SIDE PIN (4:3)	Signal generator Remote control unit		[2.DEF (D)] D03: H POSI D15: H SIZE D23: EW PARA D19: EWCR TOP D21: EWCR BTM



• V. SIZE / V. POSITION adjustment should be finished.

Description

- (1) Receive a cross-hatch signal.
- (2) Select 2.DEF(D) from the SERVICE MODE.
- (3) Select the < D03 > (H POSI).
- (4) Adjust by H. POSITION to be same size at both side.
- (5) Adjust the horizontal size of the visible screen at both size to 90% with the < D15 > (H. SIZE).
- (6) Adjust the vertical line at both side to become linear line by < D23 > (EW PARA).
- (7) Confirm the linearity of vertical line and horizontal size.
- (8) If it is necessary, readjust 1.~7.

NOTE:

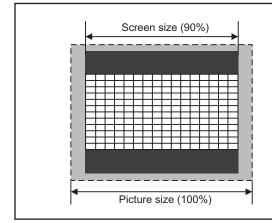
 If it is not straight the vertical upper and bottom corner line adjustment the upper and bottom corner pin by < D19 > (EWCR TOP) and < D21 > (EWCR BTM).

H. POSITION /	Signal	[2.DEF (D)]
H. SIZE /	generator	D16: H SIZE+-
SIDE PIN		D04: H POSI+-
(16:9)	Remote	D24: EW PARA+-
	control unit	D20: EWCR T+-
		D22: EWCR B+-

- · V. SIZE / V. POSITION adjustment should be finished.
- H. SIZE / H. POSITION / SIDE PIN adjustment should be finished. (Regular size(4:3)).
- (1) Receive the cross-hatch signal.
- (2) Select 16:9 mode.
- (3) Confirm both sides of cross-hatch to be the adjustment value 90%.
- (4) Select 2.DEF(D) from the SERVICE MODE.
- (5) If it not correct, adjust to be value 90% at the < D16 > (H SIZE+-) and < D04 > (H POSI+-).
- (6) Confirm the second vertical line from left to right to be straight.
- (7) If it is not straight, adjust to be straight by < D24 > (EW PARA+-), < D20 > (EWCR T+-) and < D22 > (EWCR B+-).

NOTE:

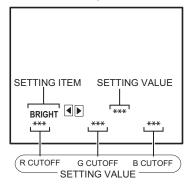
 Review the adjustment of 16:9 mode again when you change the SIDE PIN adjustment value of regular (4:3) mode.



4.8.5 VIDEO CIRCUIT

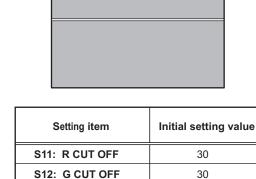
Item	Measuring instrument	Test point	Adjustment part	Description
WHITE	Signal		[1.V/C (S)]	(1) Receive the black and white signal (color off).
BALANCE	generator		S01: BRIGHT	(2) Select the 1.V/C (S) from the SERVICE MODE.
(LOW LIGHT)			S11: R CUTOFF	(3) Confirm the initial setting value of < S11 > (R
	Remote		S12: G CUTOFF	CUTOFF), < S12 > (G CUTOFF), < S13 > (B
	control unit		S13: B CUTOFF	CUTOFF) and < S01 > (BRIGHT).
				(4) Return to the main menu in SERVICE MODE.
			[7.LOW LIGHT]	(5) Select the 7.LOW LIGHT from the SERVICE MODE.
				(6) Display a single horizontal line by pressing the [1]
			SCREEN VR	key.
			[in HVT]	(7) Turn the SCREEN VR all the way to the left.
			1	(8) Turn the SCREEN VR gradually to the right from the

LOW LIGHT adjustment mode





SINGLE HORIZONTAL LINE



30

S13: B CUT OFF

S01: BRIGHT

(6) Display a sir	ngle horizontal	line by pre	essing the [1]
kev.			

- e right from the left until either one of the red, blue or green colors appears faintly.
- (9) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4]~[9] keys.
- (10) Turn the SCREEN VR until the single horizontal line is displayed faintly.
- (11) Press the [2] key to cancel the single horizontal line mode.
- (12) Return to the main menu in SERVICE MODE.
- (13) Select the 1.V/C (S) from the SERVICE MODE.
- (14) Adjust the BRIGHT level to become the black component shines white slightly by < S01 >.
- (15) Confirm that whether the color ingredient of R, G, or B is visible to the black component, which shines white slightly.
- (16) When the color ingredient can be seen, two colors other than a visible color are adjusted, and it is made to look white.
- (17) Return the value of < S01 > to initial setting value.
- The [3] (EXIT) key is the cancel key for the WHITE BALANCE.

REMOTE CONTROL UNIT					
H.LINE ON	H.LINE OFF	EXIT			
R CUTOFF▲	G CUTOFF▲ 5	B CUTOFF▲			
R CUTOFF▼	G CUTOFF▼	B CUTOFF▼			

Item	Measuring instrument	Test point	Adjustment part	Description		
WHITE BALANCE (HIGH LIGH			 (1) Receive the black-and-white signal (color off). (2) Select the 1.V/C (S) from the SERVICE MODE. (3) Set the initial setting value of < S14 > (R DRIVE) and < S15 > (B DRIVE). (4) Return to the main menu in SERVICE MODE. (5) Select the 8.HIGH LIGHT from the SERVICE MODE. (6) Adjust the screen until it becomes white using the [4] [6], [7] and [9] keys. The [3] (EXIT) key is the cancel key for the WHITE BALANCE. 			
	Setting item		iting value	EXIT ① ② ③ R DRIVE ▲ B DRIVE ▲ ④ ⑤ ⑥ R DRIVE ▼ B DRIVE ▼		
	S14: R DRIVE S15: B DRIVE		64 64	7 8 9		
SUB BRIGH			S01: BRIGHT	 (1) Receive the any broadcast. (2) Select the 1.V/C (S) from the SERVICE MODE. (3) Select < S01 > (BRIGHT). (4) Set the initial setting value of the < S01 >. (5) If the brightness is not the best with the initial setting value, make fine adjustment of the < S01 > until you get the optimum brightness. 		
SUB CONTRAST Remote control unit [1.V/C (S)] S02: PICTURE Setting item Initial setting value S02: PICTURE 60		 (1) Receive the any broadcast. (2) Select the 1.V/C (S) from the SERVICE MODE. (3) Select < S02 > (PICTURE). (4) Set the initial setting value of the < S02 >. (5) If the contrast is not the best with the initial settin value, make fine adjustment of the < S02 > until you get the optimum contrast. 				

4.8.6 MTS CIRCUIT

Item		Measuring instrument	Test point	Adjustme	nt part	Description					
MTS INPUT LEVEL		Remote control unit		[3.SOUND (A)] A01: IN LEVEL		(1) Receive the any broadcast. (2) Select the 3.SOUND (A) from the SERVICE (3) Select the < A01 > (IN LEVEL). (4) Set the intal setting value of the < A01 >. Setting item Initial setting value A01: IN LEVEL 9		MODE.			
MTS SEPARA	TION	TV audio multiplex signal generator Oscilloscope	R OUT L OUT [AUDIO OUT]	[3.SOUND (A A02: LOW SE A03: HI SEP.	LOW SEP.		 (1) Input the stereo L signal (300Hz) from the multiplex signal generator to the antennounce (2) Connect an oscilloscope to R OUT pin control of OUT, and display one cycle portion of signal. (3) Select the 3.SOUND (A) from the SERNOUNCE (4) Select the < A02 > (LOW SEP.). 				
	L-Channel R-Channel crosstalk portion			 (5) Set the initial setting value of the < A02 >. (6) Adjust the < A02 > so that the stroke eleme 300Hz signal will become minimum. (7) Change the connection of the oscilloscope to pin of the AUDIO OUT, and enlarge the volta (8) Change the signal to 3kHz, and similarly the < A03 > (HI SEP.). 							
					•		Setting item	Initial setting value			
							A02: LOW SEP	41			
							A03: HI SEP	36			

SECTION 5 TROUBLE SHOOTING

This service manual does not describe TROUBLESHOOTING.

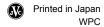
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JVC CANADA INC.

Head office : 21 Finchdene Square Scarborough, Ontario M1X 1A7 (416)293-1311





PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS		CAPACITORS
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

	RESISTORS									
F	G	J	К	M	N	R	Н	Z	Р	
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%	

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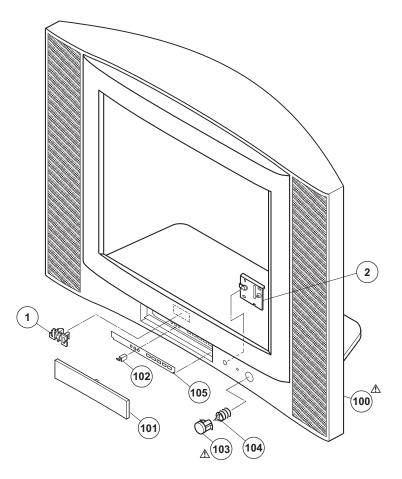
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-32F475/Y	AV-32F475/Z	AV-32F485/Y	AV-32F485/Z
MAIN P.W.B	SGJ-1553A-M2	SGJ-1554A-M2	SGJ-1558A-M2	SGJ-1559A-M2
CRT SOCKET P.W.B	SGJ-3515A-M2	SGJ-3514A-M2	SGJ-3515A-M2	SGJ-3514A-M2
AV SELECTOR P.W.B	SGJ-5506A-M2	←	←	←
FRONT CONTROL P.W.B	SGJ-6506A-M2	←	←	←
LED & POWER SW P.W.B	SGJ-7506A-M2	←	←	←
REMOTE CONTROL UNIT	RM-C1258G-1H	←	←	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1 2	LC41193-003A-C LC32242-001A-A	JVC MARK RC LENS		
A	100 101 102 103 104 105	LC11531-004A-A LC21239-001D-A CM48229-00A-C LC32240-001A-A CM36481-002A-A LC32241-001B-A	FRONT CABINET ASSY DOOR DOOR LATCH POWER KNOB SPRING OPERATION SHEET	Inc.No.101-105	

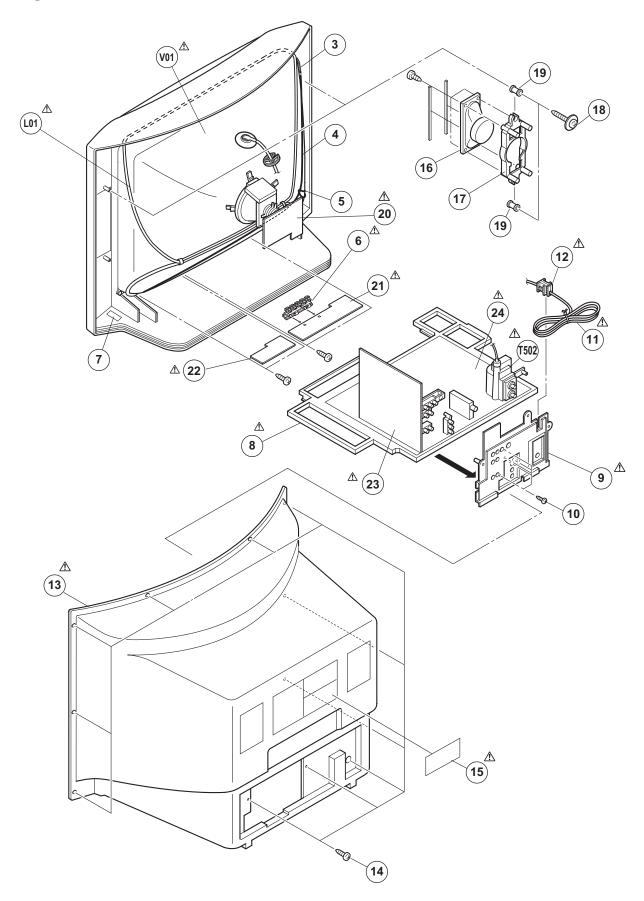
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
	V01 V01 L01 T502 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A80AKS90X03 A80ERF082X17 QQW0107-001 QQH0154-001 A48457-4-S WJY0016-002A WJY0013-003A LC21260-001B-A GQ30034-001B-A LC20899-006A-A QYSBSB3010Z QMPD390-200-JS LC20106-001D-A LC11533-001C-A QYSBSFG4016Z GQ30032-001A-A QYSBSFG4016Z GQ30032-001A-A QAS0243-001 LC21261-001B-A LC41029-001B-A	ITC ITC DEG COIL FB TRANSF SPRING E-BRAIDED ASSY E-BRAIDED ASSY CONTROL KNOB WARNING LABEL CHASSIS BASE TERMINAL BOARD TAP SCREW POWER CORD(US/CA) POWER CORD CLAMP REAR COVER TAP SCREW RATING LABEL SPEAKER SP HOLDER TAPPING SCREW	Inc.DEF YOKE/PC MAGNET/WEDGE Inc.DEF YOKE/PC MAGNET/WEDGE 3.0mm x 10mm(x4) 2m BLACK 4.0mm x 16mm(x11) SP01/SP02(x2) (x2) (x4)	
	20 20 21 22 23 24 24 24 24	LC40226-003A-H SGJ-3515A-M2 SGJ-6506A-M2 SGJ-7506A-M2 SGJ-7506A-M2 SGJ-1553A-M2 SGJ-1554A-M2 SGJ-1558A-M2 SGJ-1559A-M2	SPACER CRT SOCKET PWB CRT SOCKET PWB CONTROL PWB LED & POWER SW PWB AV SELECTOR PWB MAIN PWB MAIN PWB MAIN PWB MAIN PWB MAIN PWB	(x4)	AV-32F475/Y,AV-32F485/Y AV-32F475/Z,AV-32F485/Z AV-32F475/Y AV-32F475/Z AV-32F485/Y AV-32F485/Z

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST [AV-32F475/Y]

MAIN P.W. BOARD ASS'Y (SGJ-1553A-M2)			⚠Ref No.	Part No.	Part Name	Description Local	
⚠Ref No.	Part No.	Part Name	Description Local	D920	1SS133-T2	DIODE	
IC101 IC201 IC421 IC621 IC651 IC702 IC703 IC704 IC851 IC852 IC853 A\C911 A\C921	M52342FP-X TM8812CSDNG5DB9 LA78041 TFA9843J/N1 NJM2150AD AT24C08-27F485 S-80840CNY-T AN78L05-T L7812CP L7809CP L7805CP STR-G9626-F3 SE135N	IC IC(MCU) IC	(SERVICE)	D931 D933 D935 D937 D941 D945 D952 D953 D954 D955 D956 D957 D972	RU4AM-LFT2 RU3YX-LFC4 RU3YX-LFC4 MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SS133-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2	SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE DIODE DIODE FR DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
Q001 Q101 Q131 Q161 Q232 Q233 Q352 Q353 Q501 ▲Q511 (Q532 Q541 Q542 Q543 Q621 Q622 Q623 Q625 Q701 Q951	UN2212-X 2SC5083/L-P/-T 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SD1267A/QP/ 2SD601A/QR/-X 2SA1530A/QR/-X 2SA1208/ST/Z1-T	TRANSISTOR TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR	H.OUT	C001 C003 C004 C005 C101 C102 C104 C105 C106 C107 C113 C114 C116 C119 C120 C124 C131 C161 C162 C163 C164 C165 C166 C167	QETN1HM-475Z QETN1HM-106Z QETN1HM-106Z QETN0JM-477Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 470uF 6.3V M 0.01uF 50V K 0.01uF 50V M 0.01uF 50V M 0.01uF 50V M 0.01uF 50V M 10uF 50V M 10uF 50V M 10uF 50V J 47pF 50V J 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D422 D501 D502 D521 D523 D525 D526 D527 D529 ⚠D531 D602 D603 D602 D603 D603 D602 D703 D704 D705 D706 D707 D708 D709 D723 ⚠D901 D911 D912 D913 D914 D915 D917 D918	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ3.3A-T2 1N4003-T2 MTZJ75-T2 RH3G-F1 RU3AM-LFC4 RH1S-T3 RGP10J-04TS-T3 1SS81-T5 1SS81-T5 1SS81-T5 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MA4068N/Z1/-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ5.6B-T2 MTZJ5.6B-T3 MT	DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE Z DIODE SI DIODE Z DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE Z DIODE DIODE DIODE DIODE Z DIODE DIODE Z DIODE SI DIODE		C167 C202 C203 C211 C212 C221 C222 C223 C233 C237 C241 C242 C243 C244 C285 C286 C287 C288 C288 C288 C287 C288 C352 C352 C352 C352 C352 C422 C422 C424 C425 C427 C428 C431 C433 C435 C440 C501 C502 C503 C504 C507 AC510 AC513 C514	QETN1HM-105Z QETN1HM-105Z NCB31HK-105Z NCB31HK-106Z NDC31HJ-100X QETN1HM-106Z NCF31AZ-105X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN0JM-227Z NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-27Z NCB31HK-103X QETN1HM-474Z QETN1CM-107Z NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-474Z QETN1CM-107Z NCB31HK-103X QETN1CM-107Z QETN1C	C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR G CAPACITOR C C C C C C C C C C C C C C C	0.01uF 50V K 10uF 16V M 1500pF 50V J 10uF 16V M 10pF 50V J 10uF 50V M 10uF 50V M 1uF 10V Z 0.01uF 50V K 68pF 50V J 0.01uF 50V K 0.01uF 50V K 2.2uF 50V M 220uF 6.3V M 0.01uF 50V K 0.47uF 50V J 100uF 16V M 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.1uF 25V M 0.01uF 50V K 0.1uF 25V M 0.01uF 50V K 100uF 16V M 470uF 35V M 0.018uF 50V K 10pF 500V J 150pF 500V K 330pF 500V K 330pF 500V K 47uF 50V M 4200pF 1.5kV H 0.013uF 1.5kV H 0.018uF 400V J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C515	QFZ0197-474	MPP CAPACITOR	0.47uF 250V J	∆ C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C516 C521	QCB32HK-561Z QETN2EM-106Z	C CAPACITOR E CAPACITOR	560pF 500V K 10uF 250V M	R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C523 C525	QEHR1VM-108Z QETN1VM-107Z	E CAPACITOR E CAPACITOR	1000uF 35V M 100uF 35V M	R004 R005	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	R005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C527 C533	QFLC2AJ-103Z QETN1HM-106Z	M CAPACITOR E CAPACITOR	0.01uF 100V J 10uF 50V M	R008 R009	NRSA63J-820X NRSA63J-682X	MG RESISTOR MG RESISTOR	82Ω 1/16W J 6.8kΩ 1/16W J
C601	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R101	NRSA63J-562X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J
C602 C603	NCB31HK-104X NCB31HK-104X	C CAPACITOR C CAPACITOR	0.1uF 50V K 0.1uF 50V K	R102 R103	NRSA63J-182X QRE121J-101Y	MG RESISTOR C RESISTOR	1.8kΩ 1/16W J 100Ω 1/2W J
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
C621 C622	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R105 R111	NRSA63J-270X NRSA63J-394X	MG RESISTOR MG RESISTOR	27Ω 1/16W J 390kΩ 1/16W J
C624	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C626 C627	QETN1HM-475Z NCF21CZ-105X	E CAPACITOR C CAPACITOR	4.7uF 50V M 1uF 16V Z	R113 R115	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C628	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C629 C630	NCF21CZ-105X QETN1EM-227Z	C CAPACITOR E CAPACITOR	1uF 16V Z 220uF 25V M	R117 R120	NRSA63J-273X NRSA63J-274X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 270kΩ 1/16W J
C632 C633	QETN1EM-477Z QETN1EM-227Z	E CAPACITOR E CAPACITOR	470uF 25V M 220uF 25V M	R121	NRSA63J-823X NRSA63J-102X	MG RESISTOR MG RESISTOR	82kΩ 1/16W J 1kΩ 1/16W J
C634	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R131 R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C635 C637	QETN1HM-105Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1uF 50V M 1000uF 25V M	R133 R134	NRSA63J-821X NRSA63J-471X	MG RESISTOR MG RESISTOR	820Ω 1/16W J 470Ω 1/16W J
C638	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C651 C652	NCF31AZ-105X NCF31AZ-105X	C CAPACITOR C CAPACITOR	1uF 10V Z 1uF 10V Z	R161 R163	NRSA63J-332X NRSA63J-223X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 22kΩ 1/16W J
C655	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C656 C657	NCB31HK-332X NCB31HK-333X	C CAPACITOR C CAPACITOR	3300pF 50V K 0.033uF 50V K	R165 R166	NRSA63J-223X NRSA63J-103X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 10kΩ 1/16W J
C658	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R167	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J
C659 C660	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M	R168 R169	NRSA63J-101X NRSA63J-561X	MG RESISTOR	100Ω 1/16W J 560Ω 1/16W J
C661 C662	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M	R171 R201	NRSA63J-333X NRSA63J-223X	MG RESISTOR	33kΩ 1/16W J 22kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R212	NRSA63J-272X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J
C701 C702	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R215 R216	NRSA63J-562X NRSA63J-562X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 5.6kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C704 C705	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R227 R231	NRSA63J-104X NRSA63J-182X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 1.8kΩ 1/16W J
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C709 C711	NDC31HJ-220X QETN1CM-107Z	C CAPACITOR E CAPACITOR	22pF 50V J 100uF 16V M	R238 R241	NRSA63J-473X NRSA63J-332X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 3.3kΩ 1/16W J
C712 C728	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K	R243 R281	NRSA63J-152X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 1.8kΩ 1/16W J
C807	NCB31HK-103X QETN1AM-477Z	E CAPACITOR	0.01uF 50V K 470uF 10V M	R282	NRSA63J-182X NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C815 C851	NCB31HK-103X QETN1EM-107Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 100uF 25V M	R283 R286	NRSA63J-681X NRSA63J-472X	MG RESISTOR MG RESISTOR	680Ω 1/16W J 4.7kΩ 1/16W J
C852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C853 C854	QETN1EM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 25V M 220uF 16V M	R288 R289	NRSA02J-471X NRSA63J-154X	MG RESISTOR MG RESISTOR	470Ω 1/10W J 150kΩ 1/16W J
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J
C857 ∆ C901	QETN0JM-477Z QFZ9072-104	E CAPACITOR MM CAPACITOR	470uF 6.3V M 0.1uF AC250V K	R292 R293	NRSA63J-124X NRSA63J-224X	MG RESISTOR MG RESISTOR	120kΩ 1/16W J 220kΩ 1/16W J
∆ C902 ∆ C903	QFZ9072-473	MM CAPACITOR MM CAPACITOR	0.047uF AC250V K	R296 R297	NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
∆C903	QFZ9072-104 QCZ9054-102	C CAPACITOR	0.1uF AC250V K 1000pF AC250V Z	R297 R298	NRSA63J-101X NRSA63J-101X	MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
∆ C905 ∆ C906	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R301 R302	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
C907	QEZ0644-567	E CAPACITOR	560uF 200V K	R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
∆ C908 C912	QCZ9054-102 QCZ0340-222	C CAPACITOR C CAPACITOR	1000pF AC250V Z 2200pF 2kV K	R304 R305	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C914 C916	QETN1HM-107Z NDC31HJ-331X	E CAPACITOR C CAPACITOR	100uF 50V M 330pF 50V J	R318 R319	NRSA63J-472X NRSA63J-102X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K 0.1uF 50V K	R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J
C918 C919	NCB21HK-104X QFP32GJ-103	C CAPACITOR PP CAPACITOR	0.01uF 400V J	R354 R355	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J
C931 C932	QEZ0203-227 QETN1EM-108Z	E CAPACITOR E CAPACITOR	220uF 160V M 1000uF 25V M	R356 R358	NRSA63J-123X NRSA63J-333X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 33kΩ 1/16W J
C933	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C934 C935	NDC31HJ-221X QETN1VM-108Z	C CAPACITOR E CAPACITOR	220pF 50V J 1000uF 35V M	R421 R423	NRSA63J-822X NRSA63J-393X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 39kΩ 1/16W J
C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K	R424	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
C938 C939	QETN1EM-477Z QCB32HK-152Z	E CAPACITOR C CAPACITOR	470uF 25V M 1500pF 500V K	R426 R427	NRSA63J-183X QRT029J-1R2	MG RESISTOR MF RESISTOR	18kΩ 1/16W J 1.2Ω 2W J
C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	R428	QRE121J-120Y	C RESISTOR	12Ω 1/2W J
C942 C943	QEHR1HM-105Z QETN1CM-108Z	E CAPACITOR E CAPACITOR	1uF 50V M 1000uF 16V M	R429 R431	NRSA63J-272X NRSA63J-152X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 1.5kΩ 1/16W J
C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C952 C971	QETN1CM-227Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	220uF 16V M 100uF 16V M	R433 R434	NRSA63J-681X QRL029J-221	MG RESISTOR OMF RESISTOR	680Ω 1/16W J 220Ω 2W J
C972 ∆C997	QETN1EM-476Z QCZ9079-102	E CAPACITOR C CAPACITOR	47uF 25V M 1000pF AC250V M	R435 R441	QRE121J-102Y NRSA63J-0R0X	C RESISTOR MG RESISTOR	1kΩ 1/2W J 0Ω 1/16W J
∆ C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R505	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R512	QRE121J-681Y QRZ0221-2R0	C RESISTOR OMF RESISTOR	680Ω 1/2W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R516 R524	NRSA63J-563X	MG RESISTOR	2Ω 7W K 56kΩ 1/16W J	R950 R951	NRSA63J-0R0X NRSA63J-473X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 47kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R527	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R972	NRVA02D-102X	CMF RESISTOR	1kΩ 1/10W D
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R973	NRVA02D-332X	CMF RESISTOR	3.3kΩ 1/10W D
△R531	QRZ0230-391X	UNF C RESISTOR	390Ω	R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R533	NRSA63.I-123X	MG RESISTOR	12kΩ 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	∆ R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
∆ R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R536 ∆ R537	QRE121J-470Y NRVA02D-752X	C RESISTOR CMF RESISTOR	47Ω 1/2W J 7.5kΩ 1/10W D	L001	QQL244K-560Z	PEAKING COIL	56uH K
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L101	QQLZ014-R39	COIL	0.39uH 100mA L
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	L131	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	L161	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	L232	QQL244K-560Z	PEAKING COIL	56uH K
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	L241	QQL244K-220Z	PEAKING COIL	22uH K
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L391	QQL244K-220Z	PEAKING COIL	22uH K
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	L511	QQR1027-005	LINEARITY COIL	
R553	QRL039J-330	OMF RESISTOR	33Ω 3W J	L512	QQLZ036-821	COIL	820uH K
∆ R554	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	L521	QQLZ026-121	COIL	120uH Å}7%
R555	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J	L701	QQL244K-220Z	PEAKING COIL	22uH K
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L702	QQL244K-220Z	PEAKING COIL	22uH K
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L703	QQL244K-220Z	PEAKING COIL	22uH K
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L704	QQL244K-220Z	PEAKING COIL	22uH K
R621	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L705	QQL244K-220Z	PEAKING COIL	22uH K
R623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L931	QQL26AK-470Z	CHOKE COIL	47uH K
R624	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L933	QQL26AK-470Z	CHOKE COIL	47uH K
R626	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L937	QQL26AK-470Z	CHOKE COIL	47uH K
R627 R628	NRSA63J-102X NRSA63J-103X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J	L940 T111	QQR0582-001Z QQR0907-001	FERRITE BEADS	
R630	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	T501	QQR1414-001	DRIVE TRANSF	
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	_ T921	QQS0152-001	SW TRANSF	
R649 R651	NRSA63J-104X NRSA63J-223X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 22kΩ 1/16W J	 ∆T951	QQT0355-001	POWER TRANSF	
R652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF001	QAX0349-001	C TRAP	47.25MHz
R653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF131	QAX0639-001Z	C TRAP	4.500MHz
R654	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF161	QAX0642-001Z	C FILTER	4.500MHz
R655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
R657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
R659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R680	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN0E1	CE41507-001P	LV CONNECTOR	
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CN0E3	CE41507-001P	LV CONNECTOR	(4.6)
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		ICP-N70-T	IC PROTECTOR	2.5A
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ CP933	ICP-N70-T	IC PROTECTOR IC PROTECTOR	2.5A
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ CP936	ICP-N70-T		2.5A
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	ΔF901	QMF51N1-5R0-J5	FUSE	5A AC125V
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	ΔF905	QMFZ049-5R0Z-E	FUSE	5A 125V
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	 ⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	HS001	LC32600-001A	HEAT SINK	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	HS002	LC31678-001A	HEAT SINK/AL-F/	
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	HS003	LC32111-002A	HEAT SINK/AL-F/	
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	HS004	CEHE015-001WU	HEAT SINK	
R739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	HS005	CM42862-00G-H	HEAT SINK ASSY	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	HS007	CEHT11B-002QS	HEAT SINK	
R764	NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J	J601	QNN0349-002 QQR0582-001Z	PIN JACK	COMP IN
R765 R766	NRSA63J-221X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	K101 K401	QQR0621-002Z	FERRITE BEADS FERRITE BEADS	
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	K912	QQR0582-001Z	FERRITE BEADS	
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	K916	QQR0582-001Z	FERRITE BEADS	
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K917	QQR0582-001Z	FERRITE BEADS	
R811	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	K918	QQR0582-001Z	FERRITE BEADS	
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	K920	QQR1139-001	FERRITE BEADS	
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	K931	QQR0582-001Z	FERRITE BEADS	
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	K932	QQR0582-001Z	FERRITE BEADS	
R839	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	K933	QQR0582-001Z	FERRITE BEADS	
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J	K935	QQR0582-001Z	FERRITE BEADS	
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K	K937	QQR0582-001Z	FERRITE BEADS	
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	LC601	QQR1459-001	EMI F. COIL	
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	LC602	QQR1459-001	EMI F. COIL	
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J	LC603	QQR1459-001	EMI F. COIL	
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J	∆LF901	QQR1159-001	LINE FILTER	
∆ R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	∆LF902	QQR0527-004	LINE FILTER	
 ∆R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J	▲PC921	PC123Y22	PHOTO COUPLER	
 ♣R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J	∆ RY951	QSK0085-001	RELAY	

ÆRef No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
\$421 \$F101 \$\Delta\text{TH901} \$\Delta\text{VA901} \$X701	QSL4A13-C02 QAX0723-001 QAD0132-3R0 QAU0305-001 ERZV10V621CS QAX0767-001Z	LEVER SWITCH SAW FILTER W-PIC TUNER ZNR CRYSTAL	V.CENTER 3Ω 8.000000MHz	R3313 R3314 R3315 R3325 R3326 R3327 R3331 R3332	QRL029J-223 QRL029J-223 QRL029J-223 QRZ0107-102Z QRZ0107-102Z QRZ0107-102Z NRSA63J-182X NRSA63J-182X	OMF RESISTOR OMF RESISTOR OMF RESISTOR C RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR	22kΩ 2W J 22kΩ 2W J 22kΩ 2W J 1kΩ 1/2W K 1kΩ 1/2W K 1kΩ 1/2W K 1.8kΩ 1/16W J 1.8kΩ 1/16W J
CRT S	OCKET P.W. B	OARD ASS'Y (SC	GJ-3515A-M2)	R3333 R3334	NRSA63J-182X NRSA63J-152X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 1.5kΩ 1/16W J
Ref No.	Part No.	Part Name	Description Local	R3335 R3351 R3354 R3355	NRSA63J-271X NRSA63J-151X NRSA63J-561X NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	270Ω 1/16W J 150Ω 1/16W J 560Ω 1/16W J 10kΩ 1/16W J
Q3103 Q3107	2SC3928A/QR/-X 2SA2005/DE/	TRANSISTOR POW TRANSISTOR		L3304	QQL244K-470Z	PEAKING COIL	47uH K
Q3108 Q3109 Q3351	2SC5511/DE/ 2SC3928A/QR/-X 2SA1530A/QR/-X	POW TRANSISTOR TRANSISTOR SI TRANSISTOR		CN3004 CN3005 CN300V	QJB003-074022 WJA0029-002A QGA2501C5-03Z	SIN ID C-B WIRE E-SI ID WIRE CONNECTOR	W-B (1-3)
D3105 D3106 D3311 D3312 D3313 D3314 D3331 D3351 D3352 D3353	RH1S-T3 RH1S-T3 MTZJ3.6B-T2 1SS133-T2 MTZJ3.6B-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2	SI DIODE SI DIODE Z DIODE DIODE Z DIODE DIODE DIODE DIODE DIODE DIODE		CN30E2 CN30E4 K3104 K3105 ÆSK3001	QUB130-46A6AS QUB130-46A6AS QQR1114-001Z QQR1114-001Z QQR20536-001	SIN TWIST WIRE SIN TWIST WIRE FERRITE BEADS FERRITE BEADS CRT SOCKET	SGJ-5506A-M2)
D3354	1SS133-T2	DIODE			Part No.	Part Name	Description Local
C3101 C3109 C3111 C3113 C3114	QETN1HM-106Z QETN1CM-107Z NDC31HJ-221X QETN2CM-106Z QCB32HK-472Z	E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 100uF 16V M 220pF 50V J 10uF 160V M 4700pF 500V K	IC5001 IC5201 IC5501	CXA2205Q-X TC90A49AP TA1218AN	IC IC IC	
C3115 C3117 C3118 C3119 C3120 C3121 C3127 C3301 C3302 C3303 C3333 C3331 C3332 C3333 C33351 C3363	QCB32HK-472Z QETN2CM-106Z QETN0JM-107Z QETN1AM-107Z QETN1AM-337Z QCS32HJ-151Z NDC31HJ-471X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X QETN1CM-477Z NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X QETN1CM-227Z QCZ0324-102	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4700pF 500V K 10uF 160V M 100uF 6.3V M 100uF 10V M 330uF 10V M 150pF 500V J 470pF 50V J 560pF 50V J 560pF 50V J 470uF 16V M 180pF 50V J 180pF 50V J 180pF 50V J 220uF 16V M	Q5001 Q5002 Q5211 Q5212 Q5251 Q5252 Q5253 Q5261 Q5262 Q5263 Q5384 Q5385 Q5386 Q5387 Q5501	2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X DTC323TK-X DTC323TK-X DTC323TK-X DTC323TK-X 2SA1530A/QR/-X	SI TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR TRANSISTOR SI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR	
R3115 R3116 R3123 R3124 R3125 R3126 R3127 R3128 R3129 R3130 R3131 R3132 R3131	NRSA63J-470X NRSA63J-470X NRSA63J-122X NRSA63J-100X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-122X NRSA63J-100X NRSA63J-820X NRSA63J-331X QRL029J-391 NRSA63J-101X	MG RESISTOR	47Ω 1/16W J 47Ω 1/16W J 1.2kΩ 1/16W J 82Ω 1/16W J 10Ω 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 1.2kΩ 1/16W J 10Ω 1/16W J 82Ω 1/16W J 330Ω 1/16W J 390Ω 2W J 100Ω 1/16W J	D5391 D5392 D5501 D5502 D5503 D5504 D5505 D5507 D5508 D5509 D5510 D5511 D5512 D5513	MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2	Z DIODE	
R3136 R3139 R3142 R3144 R3145 R3146 R3148 R3301 R3302 R3303 R3306 R3307 R3308 R3307 R3308 R3309 R3310 R3311	NRSA63J-392X NRSA63J-331X NRSA63J-122X NRSA63J-101X NRSA63J-100X NRSA63J-100X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-470X NRSA63J-470X NRSA63J-470X NRSA63J-470X QRL029J-183 QRL029J-183	MG RESISTOR OMF RESISTOR OMF RESISTOR	3.9KΩ 1/16W J 330Ω 1/16W J 12kΩ 1/16W J 1.2kΩ 1/16W J 100Ω 1/16W J 10Ω 1/16W J 10Ω 1/16W J 10Ω 1/16W J 150Ω 1/16W J 47Ω 1/16W J 18kΩ 2W J 18kΩ 2W J	C5001 C5002 C5003 C5004 C5005 C5006 C5007 C5008 C5009 C5010 C5011 C5012 C5013 C5014 C5015 C5016 C5017 C5018	QENC1HM-475Z NCB31HK-562X NCB31HK-123X QETN1HM-105Z QETN1HM-475Z QETN1HM-475Z QETN1CM-107Z QENC1HM-475Z QENC1HM-475Z QENC1HM-475Z NCB31HK-272X NCB31HK-473X QENC1HM-475Z QETN1HM-106Z QETN1HM-106Z QETN1HM-105Z QENC1HM-475Z QENC1HM-475Z QENC1HM-475Z NCB31HK-223X	BP E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR BP E CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR BP E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR BP E CAPACITOR BP E CAPACITOR C CAPACITOR	4.7uF 50V M 5600pF 50V K 0.012uF 50V K 1uF 50V M 4.7uF 50V M 10uF 50V M 10uF 50V M 10uF 50V M 4.7uF 50V M 4.7uF 50V M 4.7uF 50V M 4.7uF 50V M 2700pF 50V K 0.047uF 50V M 1uF 50V M 4.7uF 50V M

Description Company	⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
CORRESTOR QUILTIFE					R5241			
COMPACTION COM	C5021				R5242			
Control Cont					R5243			
Code Center Code Center Code Center Code Center Code Center Ce	C5024			4.7uF 50V M	R5253			
Company					R5254 R5255			
Company Comp	C5027	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R5258	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
Control Cont	C5028				R5259 R5261			
CS001 CETHEN-100X CAPACITOR CAPACI	C5030	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R5262	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
CG200 CCT-014-013	C5031				R5263			
COSCION CENTREM-1978 C-CAPACITOR	C5203			0.01uF 50V K	R5269			
CS211 ORN-CTA-1102					R5270			
CS214 NOC3141-101X C CAPACITOR			BP E CAPACITOR		R5385			
CS214 NDC314L-181X C CAPACITOR 1869-60V R5391 R53921 R54833-121X MG RESISTOR 2200 1196V J CS215 CETHINM-747Z C CAPACITOR 1000-181V R5392 R53833-121X MG RESISTOR 2200 1196V J CS215 CETHING-1077 C CAPACITOR 1000-181V R5394 R5383-121X MG RESISTOR 2200 1196V J CS215 CETHING-1077 C CAPACITOR 1000-181V R5394 R5383-121X MG RESISTOR 2200 1196V J CS215 CETHING-1077 C CAPACITOR 1000-180V R5396 R5883-121X MG RESISTOR 2200 1196V J CS215 R5883-181X MG RESISTOR 2000-196V J R5883-181X MG RESISTOR 1000-196V J R5883-196X MF8833-191X MG RESISTOR 1000-196V J R5893-196X MF8833-191X MG RESISTOR 1000-196V J R	C5212	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R5386	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C2229 CENTHIM-472 CAPACITOR 0.476 90V M R5392 NR5A83.121X MR RESISTOR 8204 119W J C2229 CENTHIM-103X CAPACITOR 0.016 90V K R539 NR5A83.12X MR RESISTOR 8204 119W J C2220 CENTHIM-103X CAPACITOR 0.016 90V K R539 NR5A83.12X MR RESISTOR 8204 119W J C2220 CENTHIM-103X CAPACITOR 0.016 90V K R539 NR5A83.12X MR RESISTOR 2200 119W J C2230 NR581H-103X CAPACITOR 0.016 90V K R530 NR5A83.12X MR RESISTOR 2200 119W J C2230 NR581H-103X CAPACITOR 0.016 90V K R530 NR5A83.10X MR RESISTOR 2200 119W J C2230 NR581H-103X CAPACITOR 0.016 90V K R530 NR5A83.10X MR RESISTOR 1000 119W J C2230 NR581H-103X CAPACITOR 0.016 90V K R530 NR5A83.10X MR RESISTOR 1000 119W J	C5213 C5214		C CAPACITOR C CAPACITOR	4/pF 50V J 180nF 50V J	R5387 R5391		MG RESISTOR MG RESISTOR	
CS22 NESHH-103X	C5215	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	R5392	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C6229 NCB31HK-103X C CAPACITOR	C5226				R5393			
CS229 MCB31HK-103X	C5232				R5394			
CS239 MCBS1HK-103X C CAPACITOR 0.01uE-50V K R5502 NRSA63-101X MOR RESISTOR 1000.11eW J NC R5503 NRSA63-103X MOR RE	C5233				R5396			
CS227 CS237 CS23	C5234 C5235				R5501 R5502			
C6229 CENTICH-107Z E CAPACITOR	C5236	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R5503	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6299 NC831H-103X C CAPACITOR 0.01uE 50V K R5507 NRSA63J-103X M RESISTOR 10AL 176W J C624 NC831H-103X C CAPACITOR 0.01uE 50V K R5508 NRSA63J-153X M RESISTOR 10AL 176W J C624 NC831H-103X C CAPACITOR 0.01uE 50V K R5508 NRSA63J-153X M RESISTOR 10AL 176W J C624 NC831H-103X C CAPACITOR 0.00uE 50V K R5508 NRSA63J-153X M RESISTOR 10AL 176W J C624 NC831H-103X C CAPACITOR 0.00uE 50V K R5508 NRSA63J-103X M RESISTOR 10AL 176W J C624 NRSA63J-103X M RESISTOR 10AL 176W J C624 NRSA63J-103X M RESISTOR 10AL 176W J C624 NRSA63J-103X M RESISTOR 10AL 176W J C625 NRSA63J-103X M RESISTOR 10AL 176W J NRSA63J-103X M RESISTOR 10AL 176W J NRSA63J-103X NRSA63J-103X M RESISTOR 10AL					R5504 R5505		MG RESISTOR MG RESISTOR	
CS241 NCB31H4-103X C CAPACITOR 0.01uF 50V K R5599 NRSA63J-101X MG RESISTOR 1000_116W J 1000_116W	C5239	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R5507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C2242 CETNICM-107Z E CAPACITOR 100uF 16V M R5510 NRSA63J-101X MG RESISTOR 100u 116W J 100u 116W	C5240		C CAPACITOR		R5508		MG RESISTOR	
C6243 NCBS1HK-103X C CAPACITOR 0.01uF 50V K R5511 NRSA633-101X MOR RESISTOR 1000 1/16W J C6247 NCBS1HK-103X C CAPACITOR 100p 50V K R5513 NRSA633-101X MG RESISTOR 1000 1/16W J C6257 NCBS1HK-103X C CAPACITOR 47µ E3V M R5514 NRSA633-103X MG RESISTOR 1000 1/16W J C6252 NCBS1HK-103X C CAPACITOR 47µ E3V M R5514 NRSA633-103X MG RESISTOR 1000 1/16W J C6252 NCBS1HK-103X C CAPACITOR 47µ E5V M R5515 NRSA631-103X MG RESISTOR 1000 1/16W J C6255 NCS1HL-1470X C CAPACITOR 47µ E5V J R5517 NRSA631-10X MG RESISTOR 1000 1/16W J C6285 NCS1HH-1470X C CAPACITOR 47µ E5V J R5517 NRSA631-75W M MG RESISTOR 750 1/16W J C6390 DETNIHM-1472 E CAPACITOR 0.47µ E5V M R5520 NRSA631-75W M MG RESISTOR 750 1/16W J C5392 DETNIHM-272 E CAPACITOR 0.47µ E5V M <td>C5241</td> <td></td> <td>E CAPACITOR</td> <td></td> <td>R5510</td> <td></td> <td></td> <td></td>	C5241		E CAPACITOR		R5510			
C2241 C2514 C251	C5243				R5511		MG RESISTOR	
C2525 QETNIEM-476Z								
CS255 NDC31H-J470X C CAPACITOR 47p F50V J R5517 NRSA63-103X MG RESISTOR 760 InfeW J CS263 NDC31H-J470X C CAPACITOR 47p F50V J R5519 NRSA63-150X MG RESISTOR 760 InfeW J CS263 NDC31H-J470X C CAPACITOR 047p F50V M R5521 NRSA63-750X MG RESISTOR 760 InfeW J CS262 CETN1HM-474Z C CAPACITOR 047p F50V M R5521 NRSA63-750X MG RESISTOR 760 InfeW J CS262 CETN1HM-474Z C CAPACITOR 047p F50V M R5521 NRSA63-750X MG RESISTOR 760 InfeW J CS262 CETN1HM-267Z E CAPACITOR 047p F50V M R5522 NRSA63-1224X MG RESISTOR 220k1 116W J CS502 CETN1HM-1067Z E CAPACITOR 022p F50V M R5522 NRSA63-123X MG RESISTOR 220k1 116W J CS504 CETN1HM-1067Z E CAPACITOR 10p F50V M R5524 NRSA63-103X MG RESISTOR 10k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 10p F50V M R5524 NRSA63-103X MG RESISTOR 10k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 10p F50V M R5532 NRSA63-1224X MG RESISTOR 10k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 10p F50V M R5532 NRSA63-1224X MG RESISTOR 220k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5532 NRSA63-101X MG RESISTOR 220k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5532 NRSA63-101X MG RESISTOR 220k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5534 NRSA63-101X MG RESISTOR 1000 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5543 NRSA63-101X MG RESISTOR 1000 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5543 NRSA63-101X MG RESISTOR 1000 116W J CS264 NRSA63-101X MG RESISTOR 1000 116W J CS264 NRSA63-101X MG RESISTOR 1000 116W J CS264 NRSA63-101X MG RESISTOR 1000 116W J R5569 NRSA63-	C5251	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R5514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
CS255 NDC31H-J470X C CAPACITOR 47p F50V J R5517 NRSA63-103X MG RESISTOR 760 InfeW J CS263 NDC31H-J470X C CAPACITOR 47p F50V J R5519 NRSA63-150X MG RESISTOR 760 InfeW J CS263 NDC31H-J470X C CAPACITOR 047p F50V M R5521 NRSA63-750X MG RESISTOR 760 InfeW J CS262 CETN1HM-474Z C CAPACITOR 047p F50V M R5521 NRSA63-750X MG RESISTOR 760 InfeW J CS262 CETN1HM-474Z C CAPACITOR 047p F50V M R5521 NRSA63-750X MG RESISTOR 760 InfeW J CS262 CETN1HM-267Z E CAPACITOR 047p F50V M R5522 NRSA63-1224X MG RESISTOR 220k1 116W J CS502 CETN1HM-1067Z E CAPACITOR 022p F50V M R5522 NRSA63-123X MG RESISTOR 220k1 116W J CS504 CETN1HM-1067Z E CAPACITOR 10p F50V M R5524 NRSA63-103X MG RESISTOR 10k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 10p F50V M R5524 NRSA63-103X MG RESISTOR 10k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 10p F50V M R5532 NRSA63-1224X MG RESISTOR 10k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 10p F50V M R5532 NRSA63-1224X MG RESISTOR 220k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5532 NRSA63-101X MG RESISTOR 220k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5532 NRSA63-101X MG RESISTOR 220k1 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5534 NRSA63-101X MG RESISTOR 1000 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5543 NRSA63-101X MG RESISTOR 1000 116W J CS264 CETN1HM-1067Z E CAPACITOR 0.00 F50V M R5543 NRSA63-101X MG RESISTOR 1000 116W J CS264 NRSA63-101X MG RESISTOR 1000 116W J CS264 NRSA63-101X MG RESISTOR 1000 116W J CS264 NRSA63-101X MG RESISTOR 1000 116W J R5569 NRSA63-	C5252 C5253		C CAPACITOR C CAPACITOR					
CS390 QETN1HM-106Z E CAPACITOR 10	C5255	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R5517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C5391 QETN1HM474Z E CAPACITOR Q.47UF 50V M R5521 NRSA63J-292X MG RESISTOR 750 1/16W J C5501 QETN1HM22EZ E CAPACITOR 2.2UF 50V M R5522 NRSA63J-224X MG RESISTOR 220KU 1/16W J C5501 QETN1HM22EZ E CAPACITOR 2.2UF 50V M R5524 NRSA63J-224X MG RESISTOR 220KU 1/16W J C5503 QETN1HM-106Z E CAPACITOR 10UF 50V M R5526 NRSA63J-103X MG RESISTOR 10KU 1/16W J C5503 QETN1HM-106Z E CAPACITOR 10UF 50V M R5526 NRSA63J-24X MG RESISTOR 10KU 1/16W J C5504 QETN1HM-106Z E CAPACITOR 10UF 50V M R5526 NRSA63J-24X MG RESISTOR 220KU 1/16W J C5509 QETN1HM-106Z E CAPACITOR 10UF 50V M R5532 NRSA63J-24X MG RESISTOR 220KU 1/16W J C5509 QETN1HM-106Z E CAPACITOR 10UF 50V M R5533 NRSA63J-24X MG RESISTOR 220KU 1/16W J C5520 QETN1HM-22EZ E CAPACITOR 2.2UF 50V M R5541 NRSA63J-101X MG RESISTOR 100U 1/16W J C5520 QETN1HM-22EZ E CAPACITOR 2.2UF 50V M R5542 NRSA63J-101X MG RESISTOR 100U 1/16W J C5521 QETN1HM-22EZ E CAPACITOR 2.2UF 50V M R5542 NRSA63J-101X MG RESISTOR 100U 1/16W J C5532 QETN1HM-22EZ E CAPACITOR 0.01UF 50V K R5544 NRSA63J-101X MG RESISTOR 100U 1/16W J C5532 QETN1HM-22EZ E CAPACITOR 0.01UF 50V K R5544 NRSA63J-101X MG RESISTOR 100U 1/16W J C5532 QETN1HM-22EZ E CAPACITOR 0.01UF 50V K R5546 NRSA63J-101X MG RESISTOR 100U 1/16W J C5534 QETN1HM-22EZ E CAPACITOR 0.01UF 50V K R5546 NRSA63J-101X MG RESISTOR 100U 1/16W J R5560 NRSA63J-101X MG RESISTOR 0.01 1/16W J R5561 NRSA63J-101X MG RESISTOR 0.01 1/16W J NRSA63J-101X MG RESISTOR 0.01	C5263							
C5501 GETNIHM-225Z E CAPACITOR 2.2µF 50V M R5523 NRSA63J-224X MG RESISTOR 220kG 1/16W J C5503 GETNIHM-106Z E CAPACITOR 10µF 50V M R5524 NRSA63J-103X MG RESISTOR 10kQ 1/16W J C5504 GETNIHM-106Z E CAPACITOR 10µF 50V M R5524 NRSA63J-103X MG RESISTOR 220kQ 1/16W J C5509 GETNIHM-106Z E CAPACITOR 10µF 50V M R5532 NRSA63J-224X MG RESISTOR 220kQ 1/16W J C5509 GETNIHM-106Z C CAPACITOR 10µF 50V M R5533 NRSA63J-224X MG RESISTOR 220kQ 1/16W J C5520 QETNIHM-25C C CAPACITOR 2.2µF 50V M R5541 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5521 QETNIHM-25C C CAPACITOR 0.01µF 50V K R5544 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5523 QETNIHM-25C C CAPACITOR 0.01µF 50V K R5544 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5523 QETNIHM-105C C CAPACITOR 0.01µF	C5380		E CAPACITOR		R5521		MG RESISTOR	
C5502Q CETNIHM-M25CZ E CAPACITOR 2.2LF 50V M R5524 NRSA63J-103X MG RESISTOR 10kQ 1/16W J C5503 QETNIHM-106Z E CAPACITOR 10LF 50V M R5526 NRSA3J-234X MG RESISTOR 220kQ 1/16W J C5504 QETNIHM-106Z E CAPACITOR 10LF 50V M R5532 NRSA63J-224X MG RESISTOR 220kQ 1/16W J C5509 DETNIHM-106Z C CAPACITOR 0.01LF 50V M R5533 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5520 QETNIHM-226Z E CAPACITOR 2.2LF 50V M R5541 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5521 QETNIHM-226Z E CAPACITOR 2.2LF 50V M R5542 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5521 QETNIHM-226Z E CAPACITOR 2.2LF 50V M R5543 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5531 CRS14HK-103X C CAPACITOR 47LF 25V M R5544 NRSA63J-101X MG RESISTOR 100Q 1/16W J C5533 NGBA1HK-103X C CAPACITOR 47LF	C5392				R5522			
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R5005 NRSA63J-683X MG RESISTOR 68kΩ 1/16W J L5211 QQL244K-4R7Z PEAKING COIL 4.7uH K R5007 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J L5241 QQL244K-4R7Z PEAKING COIL 4.7uH K R5008 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J L5243 QQL244K-4R7Z PEAKING COIL 4.7uH K R5010 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J L5244 QQL244K-4R7Z PEAKING COIL 4.7uH K R5010 NRSA63J-392X MG RESISTOR 3.9kΩ 1/16W J L5244 QQL244K-4R7Z PEAKING COIL 4.7uH K R5010 NRSA63J-392X MG RESISTOR 100Ω 1/16W J L5261 QQL244K-4R7Z PEAKING COIL 4.7uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16W J L5261 QQL244K-4R7Z PEAKING COIL 4.7uH K R5012 NRSA63J-101X MG RESISTOR 100Ω 1/16W J CN5001 QGB1505K1-35 CONNECTOR B-B (1-35) CN5013 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5501 QR20454-001 AV JACK SV/U/R IN R5015 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5501 QR20454-001 AV JACK SV/U/R IN R5015 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5502 QNN0348-001 PIN JACK V/U/R IN R5017 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5503 QNN0348-001 PIN JACK L/R OUT NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5013 NRSA63J-272X MG RESISTOR 2.7kΩ 1/16W J R5212 NRSA63J-103X MG RESISTOR 2.7kΩ 1/16W J R5213 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5213 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5214 NRSA63J-163X MG RESISTOR 10kΩ 1/16W J R5215 NRSA63J-163X MG RESISTOR 10kΩ 1/16W J R5215 NRSA63J-163X MG RESISTOR 15kΩ 1/16W J R5215 NRSA63J-163X MG RESISTOR 15kΩ 1/16W J R5216 NRSA63J-163X MG RESISTOR 15kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5216 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M C6					1.5000	001 2441/ 4507	DEAKING COIL	45
R5007 NRSA63J-332X MG RESISTOR 3.3 kΩ 1/16 W J L5241 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5008 NRSA63J-333X MG RESISTOR 3.3 kΩ 1/16 W J L5243 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5010 NRSA63J-393X MG RESISTOR 3.3 kΩ 1/16 W J L5244 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5010 NRSA63J-392X MG RESISTOR 3.9 kΩ 1/16 W J L5244 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J L5261 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16 W J J5501 QQL244K-4R7Z PEAKING COIL 4.7 uH K R5463J-201X A.7 uH K R5116 JCA11								
R5009 NRSA63J-333X MG RESISTOR 33kΩ 1/16W J L5244 QQL244K-4R7Z PEAKING COIL 4.7uH K R5010 NRSA63J-392X MG RESISTOR 3.9kΩ 1/16W J L5261 QQL244K-150Z PEAKING COIL 15uH K R5011 NRSA63J-101X MG RESISTOR 100Ω 1/16W J CN5001 QGB1505K1-35 CONNECTOR B-B (1-35) R5013 NRSA63J-101X MG RESISTOR 100Ω 1/16W J CN5006 QGA2501C5-05Z CONNECTOR W-B (1-5) CN5001 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5501 QNZ0454-001 AV JACK S.V/L/R IN R5015 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5502 QNN0348-001 PIN JACK V.I/R IN R5016 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5503 QNN0348-001 PIN JACK V.I/R IN R5016 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5503 QNN0348-001 PIN JACK L/R OUT R5017 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5032 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5033 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5034 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5034 NRSA63J-101X MG RESISTOR 2.7kΩ 1/16W J R5210 NRSA63J-101X MG RESISTOR 2.7kΩ 1/16W J R5211 NRSA63J-272X MG RESISTOR 2.7kΩ 1/16W J R5212 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5213 NRSA63J-102X MG RESISTOR 10kΩ 1/16W J R5214 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5214 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5215 NRSA63J-182X MG RESISTOR 1.5kΩ 1/16W J R5216 NRSA63J-182X MG RESISTOR 1.5kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5216 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-182X MG RESISTOR 2.2kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M C6402 QETN1H	R5007	NRSA63J-332X	MG RESISTOR		L5241	QQL244K-4R7Z	PEAKING COIL	4.7uH K
R5010								
R5012 NRSA63J-101X MG RESISTOR 100Ω 1/16W J CN5001 QGB1505K1-35 CONNECTOR B-B (1-35)	R5010	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R5013					CN5001	OGB1505K1-35	CONNECTOR	R-R (1-35)
R5015 NRSA63J-101X MG RESISTOR 100Ω 1/16W J J5502 QNN0348-001 PIN JACK V/L/R IN L/R OUT	R5013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN5006	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
R5016			MG RESISTOR					
R5017 NRSA63J-105X MG RESISTOR 1MΩ 1/16W J R5031 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5032 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5033 NRSA63J-272X MG RESISTOR 2.7κΩ 1/16W J R5034 NRSA63J-272X MG RESISTOR 2.7κΩ 1/16W J R5210 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J R5211 NRSA63J-332X MG RESISTOR 3.3κΩ 1/16W J R5212 NRSA63J-103X MG RESISTOR 10κΩ 1/16W J R5213 NRSA63J-102X MG RESISTOR 10κΩ 1/16W J R5214 NRSA63J-102X MG RESISTOR 11κΩ 1/16W J R5214 NRSA63J-152X MG RESISTOR 18κΩ 1/16W J R5216 NRSA63J-152X MG RESISTOR 1.5κΩ 1/16W J R5216 NRSA63J-182X MG RESISTOR 1.5κΩ 1/16W J C6402 QETN1HM-106Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-22X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2μΓ 50V M R5217 NRSA63J-222X MG RESISTOR 2.2κΩ 1/16W J C6403 QETN1H								
R5032 NRSA63J-101X MG RESISTOR 100Ω 1/16W J R5033 NRSA63J-272X MG RESISTOR 2.7kΩ 1/16W J R5034 NRSA63J-272X MG RESISTOR 2.7kΩ 1/16W J R5210 NRSA63J-0R0X MG RESISTOR 0Ω 1/16W J R5211 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J R5212 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5213 NRSA63J-102X MG RESISTOR 10kΩ 1/16W J R5214 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R5215 NRSA63J-152X MG RESISTOR 180Ω 1/16W J R5216 NRSA63J-152X MG RESISTOR 1.5kΩ 1/16W J R5216 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R5216 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRS			MG RESISTOR					
R5033 NRSA63J-272X MG RESISTOR 2.7kΩ 1/16W J R5210 NRSA63J-272X MG RESISTOR 0Ω 1/16W J R5211 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J R5212 NRSA63J-103X MG RESISTOR 10kΩ 1/16W J R5213 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R5214 NRSA63J-181X MG RESISTOR 180Ω 1/16W J R5215 NRSA63J-152X MG RESISTOR 180Ω 1/16W J R5216 NRSA63J-152X MG RESISTOR 1.5kΩ 1/16W J R5216 NRSA63J-182X MG RESISTOR 1.5kΩ 1/16W J R5216 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J R5216 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M	R5031		MG RESISTOR					
R5210	R5033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	FRONT	CONTROL P.	W. BOARD ASS'Y	
R5211 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J ΔRef No. Part No. Part Name Description Local R5213 NRSA63J-102X MG RESISTOR 10kΩ 1/16W J R5214 NRSA63J-102X MG RESISTOR 18kΩ 1/16W J R5215 NRSA63J-152X MG RESISTOR 1.5kΩ 1/16W J C6401 QETN1HM-106Z E CAPACITOR 10uF 50V M R5216 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 RSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 RSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 RSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 RSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 RSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M RSA63J-222X RSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M RSA63J-222X RSA6	R5034 R5210		MG RESISTOR MG RESISTOR		(SGJ-6	506A-M2)		
R5212 NRSA63J-103X MG RESISTOR 18Ω 1/16W J R5214 NRSA63J-181X MG RESISTOR 18Ω 1/16W J R5215 NRSA63J-152X MG RESISTOR 18ΩΩ 1/16W J C6401 QETN1HM-106Z E CAPACITOR 10uF 50V M R5216 NRSA63J-152X MG RESISTOR 1.8kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M C6403 QETN1HM-225Z E CAPACITOR C6403 QETN1HM-225Z E C	R5211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	•	•	Part Name	Description Local
R5214 NRSA63J-181X MG RESISTOR 180Ω 1/16W J C6401 QETN1HM-106Z E CAPACITOR 10uF 50V M R5215 NRSA63J-152X MG RESISTOR 1.8kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5216 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M	R5212		MG RESISTOR		ZEARCH INU.	r all INU.	r all Inailie	nescribiton rocal
R5215 NRSA63J-152X MG RESISTOR 1.5kΩ 1/16W J C6401 QE IN1HM-106Z E CAPACITOR 10UF 50V M R5216 NRSA63J-182X MG RESISTOR 1.8kΩ 1/16W J C6402 QETN1HM-225Z E CAPACITOR 2.2uF 50V M R5217 NRSA63J-222X MG RESISTOR 2.2kΩ 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M	R5214		MG RESISTOR		00404	OFTNIALINA 4007	E CADACITOD	40
R5217 NRSA63J-222X MG RESISTOR 2.2k Ω 1/16W J C6403 QETN1HM-225Z E CAPACITOR 2.2uF 50V M	R5215	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J				
R5240 NRSA63J-0R0X MG RESISTOR 0 Ω 1/16W J	R5217							
	R5240							

ÆRef No.	Part No.	Part Name	Description Local
R6401 R6402 R6403 R6702 R6703 R6704 R6705 R6706	NRSA63J-750X NRSA63J-224X NRSA63J-224X NRSA63J-102X NRSA63J-102X NRSA63J-152X NRSA63J-272X NRSA63J-272X NRSA63J-562X	MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J 220kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1.5kΩ 1/16W J 2.7kΩ 1/16W J 5.6kΩ 1/16W J
CN6006 CN6007 CN600B J6401 J6402 J6403 LC6401 LC6401	QJB003-054610 QJB003-064426 QJB003-050806 QNN0281-003 QNN0281-002 QNN0282-001 QQR1459-001 QQR1459-001	SIN ID C-B WIRE SIN ID C-B WIRE SIN ID C-B WIRE PIN JACK PIN JACK PIN JACK EMI F. COIL	V IN L IN R IN
LC6403 S6702 S6703 S6704 S6705 S6706	QQR1459-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	EMI F. COIL TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	MENU CH- CH+ VOL- VOL+

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7506A-M2)

ÆRef No.	Part No.	Part Name	Description Local
IC7701	GP1UM281QK	IR DETECT UNIT	38kHz
Q7702	UN2112-X	TRANSISTOR	
D7701	LG22440	LED	POWER
C7701	QETN1EM-476Z	E CAPACITOR	47uF 25V M
R7708 R7709 R7710 R7711	NRSA63J-152X NRSA63J-561X NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 560Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J
CN700B S7701	QGA2501C5-05Z QSW0847-001	CONNECTOR TACT SWITCH	W-B (1-5) POWER

PRINTED WIRING BOARD PARTS LIST [AV-32F475/z]

MAIN F	.W. BOARD AS	S'Y (SGJ-1554A-	M2)	⚠Ref No.	Part No.	Part Name	Description Local
IC101 IC201 IC421	Part No. M52342FP-X TM8812CSDNG5DB9 LA78041	IC	Description Local	D920 D931 D933 D935 D937	1SS133-T2 RU4AM-LFT2 RU3YX-LFC4 RU3YX-LFC4 RU3YX-LFC4	DIODE SI DIODE SI DIODE SI DIODE SI DIODE	
IC621 IC651 IC702 IC703 IC704 IC851 IC852 IC853	TFA9843.J/N1 NJM2150AD AT24C08-27F485 S-80840CNY-T AN78L05-T L7812CP L7809CP L7805CP	IC IC IC IC IC IC IC IC IC	(SERVICE)	D941 D945 D952 D953 D954 D955 D956 D957	MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SS133-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2	Z DIODE Z DIODE DIODE DIODE FR DIODE FR DIODE FR DIODE FR DIODE FR DIODE FR DIODE	
∆IC911 ∆IC921	STR-G9626-F3 SE135N	IC IC		D972 D973	MTZJ15C-T2 1SS133-T2	Z DIODE DIODE	
Q001 Q101 Q131 Q161 Q232 Q233 Q352 Q551 AQ511 AQ531 Q532 Q541 Q542 Q543 Q621 Q622 Q623 Q625 Q701 Q951	UN2212-X 2SC5083/L-P/-T 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC4212/Z1/ 2SD2645-YD 2SC2785/JH/-T 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1208/ST/Z1-T	TRANSISTOR TRANSISTOR SI TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR	H.OUT	C001 C003 C004 C005 C101 C102 C104 C105 C106 C107 C113 C114 C116 C119 C120 C124 C131 C161 C162 C163 C164 C165 C166 C167	QETN1HM-475Z QETN1HM-106Z QETN0JM-477Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 470uF 6.3V M 0.01uF 50V K 0.01uF 50V M 10uF 50V M 10uF 50V M 47pF 50V J 0.01uF 50V K 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D422 D501 D502 D521 D525 D526 D527 D529 ⚠D531 D635 D601 D602 D603 D621 D603 D601 D601 D602 D603 D601 D601 D601 D601 D602 D603 D601 D601 D601 D601 D601 D601 D601 D601	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ9.1C-T2 MTZJ75-T2 RH3G-F1 RU3AM-LFC4 RH1S-T3 RGP10J-04TS-T3 1SS81-T5 1SS81-T5 1SS81-T5 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MTZJ5.6B-T2	DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE Z DIODE SI DIODE Z DIODE Z DIODE DIODE Z DIODE DIODE Z DIODE SI DIODE Z DIODE SI DIODE Z DIODE SI DIODE Z DIODE Z DIODE Z DIODE SI DIODE Z DIODE SI DIODE		C202 C203 C211 C212 C221 C222 C223 C223 C233 C23	QETN1HM-105Z NCB31HK-152X QENC1CM-106Z NCB31HK-103X QETN1HM-106Z NCF31AZ-105X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN0JM-227Z NCB31HK-103X QFVF1HJ-474Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-272Z NCB31HK-103X QETN1HM-272Z NCB31HK-103X QETN1HM-74Z QETN1CM-107Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X QETN1CM-107Z QETN1VM-107Z QETN1VM-107Z QETN1VM-107Z QETN1CM-107Z QETN1C	E CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C C C C C C C C C C C C C C C C C C C	1UF 50V M 1500pF 50V K 10UF 16V M 10pF 50V J 10UF 50V M 1UF 10V Z 0.01UF 50V K 68pF 50V J 0.01UF 50V K 0.01UF 50V K 2.2UF 50V M 220UF 6.3V M 0.01UF 50V K 0.47UF 50V J 100UF 16V M 0.01UF 50V K 2.2UF 50V M 0.01UF 50V K 2.10F 50V M 0.01UF 50V K 0.47UF 50V M 0.01UF 50V K 0.47UF 50V M 0.01UF 50V K 0.1UF 50V K 0.1UF 50V K 0.1UF 50V K 0.1UF 50V K 0.01UF 50V K 100UF 16V M 100UF 15V H 100UF 1.5V H 100UF 1.5V H

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C515	QFZ0197-304	MPP CAPACITOR	0.3uF 250V J	∆ C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C516 C521	QCB32HK-561Z QETN2EM-106Z	C CAPACITOR E CAPACITOR	560pF 500V K 10uF 250V M	R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C523	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C525 C526	QETN1VM-107Z QFV21HJ-824Z	E CAPACITOR MF CAPACITOR	100uF 35V M 0.82uF 50V J	R005 R006	NRSA63J-0R0X NRSA63J-223X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 22kΩ 1/16W J
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
C533 C601	QETN1HM-106Z	E CAPACITOR C CAPACITOR	10uF 50V M 0.22uF 16V K	R009 R101	NRSA63J-682X NRSA63J-562X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 5.6kΩ 1/16W J
C602	NCB31CK-224X NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C603 C604	NCB31CK-104X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 10uF 50V M	R103 R104	QRE121J-101Y NRSA63J-180X	C RESISTOR MG RESISTOR	100Ω 1/2W J 18Ω 1/16W J
C621	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
C622 C624	QETN1HM-106Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	10uF 50V M 4.7uF 50V M	R111 R112	NRSA63J-394X NRSA63J-334X	MG RESISTOR MG RESISTOR	390kΩ 1/16W J 330kΩ 1/16W J
C626	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C627 C628	NCF21CZ-105X QETN1HM-226Z	C CAPACITOR E CAPACITOR	1uF 16V Z 22uF 50V M	R115 R116	NRSA63J-101X NRSA63J-680X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 68Ω 1/16W J
C629	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C630 C632	QETN1EM-227Z QETN1EM-477Z	E CAPACITOR E CAPACITOR	220uF 25V M 470uF 25V M	R120 R121	NRSA63J-274X NRSA63J-823X	MG RESISTOR MG RESISTOR	270kΩ 1/16W J 82kΩ 1/16W J
C633	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C634 C635	QETN1HM-106Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	10uF 50V M 1uF 50V M	R132 R133	NRSA63J-331X NRSA63J-821X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 820Ω 1/16W J
C637	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R134	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C638 C651	QETN1EM-108Z NCF31AZ-105X	E CAPACITOR C CAPACITOR	1000uF 25V M 1uF 10V Z	R135 R161	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C652	NCF31AZ-105X NCB31HK-332X	C CAPACITOR	1uF 10V Z	R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C655 C656	NCB31HK-332X	C CAPACITOR C CAPACITOR	3300pF 50V K 3300pF 50V K	R164 R165	NRSA63J-102X NRSA63J-223X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 22kΩ 1/16W J
C657 C658	NCB31HK-333X NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C659	QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.033uF 50V K 10uF 50V M	R167 R168	NRSA63J-102X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
C660 C661	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K	R169 R171	NRSA63J-561X NRSA63J-333X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 33kΩ 1/16W J
C662	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C700 C701	NCB31HK-102X QETN1HM-106Z	C CAPACITOR E CAPACITOR	1000pF 50V K 10uF 50V M	R212 R215	NRSA63J-272X NRSA63J-562X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 5.6kΩ 1/16W J
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C703 C704	QETN1HM-106Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	10uF 50V M 100uF 16V M	R217 R227	NRSA63J-102X NRSA63J-104X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 100kΩ 1/16W J
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C708 C709	NDC31HJ-220X NDC31HJ-220X	C CAPACITOR C CAPACITOR	22pF 50V J 22pF 50V J	R237 R238	NRSA63J-392X NRSA63J-473X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 47kΩ 1/16W J
C711 C712	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R241 R243	NRSA63J-332X NRSA63J-152X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 1.5kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C807 C815	QETN1AM-477Z NCB31HK-103X	E CAPACITOR C CAPACITOR	470uF 10V M 0.01uF 50V K	R282 R283	NRSA63J-392X NRSA63J-681X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 680Ω 1/16W J
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C852 C853	QETN1CM-107Z QETN1EM-227Z	E CAPACITOR E CAPACITOR	100uF 16V M 220uF 25V M	R287 R288	NRSA63J-101X NRSA02J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/10W J
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
C856 C857	QETN1CM-227Z QETN0JM-477Z	E CAPACITOR E CAPACITOR	220uF 16V M 470uF 6.3V M	R290 R292	NRSA02J-561X NRSA63J-124X	MG RESISTOR MG RESISTOR	560Ω 1/10W J 120kΩ 1/16W J
∆C901 ∆C902	QFZ9072-104 QFZ9072-473	MM CAPACITOR MM CAPACITOR	0.1uF AC250V K 0.047uF AC250V K	R293 R296	NRSA63J-224X NRSA63J-101X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 100Ω 1/16W J
∆ C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R297	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
∆C904 ∆C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R298 R301	NRSA63J-101X NRSA63J-222X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 2.2kΩ 1/16W J
∆ C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C907 ∆C908	QEZ0644-567 QCZ9054-102	E CAPACITOR C CAPACITOR	560uF 200V K 1000pF AC250V Z	R303 R304	NRSA63J-222X NRSA63J-101X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C913 C914	QFLC1HJ-471Z QETN1HM-107Z	M CAPACITOR E CAPACITOR	470pF 50V J 100uF 50V M	R306 R318	NRSA63J-101X NRSA63J-472X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7kΩ 1/16W J
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C917 C918	NCB31HK-182X NCB21HK-104X	C CAPACITOR C CAPACITOR	1800pF 50V K 0.1uF 50V K	R352 R354	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J
C919	QFP32GJ-103 QEZ0203-227	PP CAPACITOR E CAPACITOR	0.01uF 400V J 220uF 160V M	R355 R356	NRSA63J-0R0X NRSA63J-123X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 12kΩ 1/16W J
C931 C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C933 C934	QETN1EM-108Z NDC31HJ-221X	E CAPACITOR C CAPACITOR	1000uF 25V M 220pF 50V J	R359 R421	NRSA63J-103X NRSA63J-822X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 8.2kΩ 1/16W J
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R423	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
C937 C938	QCZ0340-102 QETN1EM-477Z	C CAPACITOR E CAPACITOR	1000pF 2kV K 470uF 25V M	R424 R426	NRSA63J-393X NRSA63J-183X	MG RESISTOR MG RESISTOR	39kΩ 1/16W J 18kΩ 1/16W J
C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	R427	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
C941 C942	QCB32HK-102Z QEHR1HM-105Z	C CAPACITOR E CAPACITOR	1000pF 500V K 1uF 50V M	R428 R429	QRE121J-120Y NRSA63J-272X	C RESISTOR MG RESISTOR	12Ω 1/2W J 2.7kΩ 1/16W J
C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	R431	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C951 C952	QETN1EM-477Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	470uF 25V M 220uF 16V M	R432 R433	NRSA63J-101X NRSA63J-681X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 680Ω 1/16W J
C971 C972	QETN1CM-107Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	100uF 16V M 47uF 25V M	R434 R435	QRL029J-221 QRE121J-821Y	OMF RESISTOR C RESISTOR	220Ω 2W J 820Ω 1/2W J
∆ C997	QCZ9079-102	C CAPACITOR	1000pF AC250V M	R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
∆ C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R505	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R512	QRE121J-681Y QRZ0221-2R0	C RESISTOR OMF RESISTOR	680Ω 1/2W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R516 R524	NRSA63J-563X	MG RESISTOR	2Ω 7W K 56kΩ 1/16W J	R950 R951	NRSA63J-0R0X NRSA63J-473X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 47kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R527	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R528	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	R972	NRVA02D-102X	CMF RESISTOR	1kΩ 1/10W D
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R973	NRVA02D-332X	CMF RESISTOR	3.3kΩ 1/10W D
△R531	QRZ0230-391X	UNF C RESISTOR	390Ω	R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R533	NRSA63.J-123X	MG RESISTOR MG RESISTOR MG RESISTOR	12kΩ 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	∆ R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
∆ R535	NRSA63D-222X		2.2kΩ 1/16W D	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R536 ∆ R537	QRE121J-470Y NRVA02D-752X	C RESISTOR CMF RESISTOR	47Ω 1/2W J 7.5kΩ 1/10W D	L001	QQL244K-560Z	PEAKING COIL	56uH K
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L101	QQLZ014-R39	COIL	0.39uH 100mA L
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	L131	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	L161	QQL29BJ-220Z	P COIL	0.65Ω 22uH J
R545	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J	L232	QQL244K-560Z	PEAKING COIL	56uH K
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	L241	QQL244K-220Z	PEAKING COIL	22uH K
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L391	QQL244K-220Z	PEAKING COIL	22uH K
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	L511	QQR1409-002	LINEARITY COIL	
R553	QRL039J-330	OMF RESISTOR	33Ω 3W J	L512	QQLZ028-501	COIL	500uH
△\R554	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	L521	QQR1333-001	CHOKE COIL	
R555	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J	L701	QQL244K-220Z	PEAKING COIL	22uH K
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L702	QQL244K-220Z	PEAKING COIL	22uH K
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L703	QQL244K-220Z	PEAKING COIL	22uH K
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L704	QQL244K-220Z	PEAKING COIL	22uH K
R621	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L705	QQL244K-220Z	PEAKING COIL	22uH K
R623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L931	QQL26AK-470Z	CHOKE COIL	47uH K
R624	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L933	QQL26AK-470Z	CHOKE COIL	47uH K
R626	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L937	QQL26AK-470Z	CHOKE COIL	47uH K
R627	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L940	QQR0582-001Z	FERRITE BEADS	
R628	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	T111	QQR0907-001	I F T	
R630	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	T501	QQR1414-001	DRIVE TRANSF	
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	_ T921	QQS0152-001	SW TRANSF	
R649 R651	NRSA63J-104X NRSA63J-223X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 22kΩ 1/16W J	 ∆T951	QQT0355-001	POWER TRANSF	
R652	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF001	QAX0349-001	C TRAP	47.25MHz
R653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF131	QAX0639-001Z	C TRAP	4.500MHz
R654	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF161	QAX0642-001Z	C FILTER	4.500MHz
R655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
R657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
R659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R680	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN0E1	CE41507-001P	LV CONNECTOR	
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CN0E3	CE41507-001P	LV CONNECTOR	(1.6)
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		ICP-N70-T	IC PROTECTOR	2.5A
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ CP933	ICP-N70-T	IC PROTECTOR IC PROTECTOR	2.5A
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ CP936	ICP-N70-T		2.5A
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	ΔF901	QMF51N1-5R0-J5	FUSE	5A AC125V
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	ΔF905	QMFZ049-5R0Z-E	FUSE	5A 125V
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	 ⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	HS001	LC32600-001A	HEAT SINK	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	HS002	LC31678-001A	HEAT SINK/AL-F/	
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	HS003	LC32111-002A	HEAT SINK/AL-F/	
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	HS004	CEHE015-001WU	HEAT SINK	
R739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	HS005	CM42862-00G-H	HEAT SINK ASSY	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	HS007	CEHT11B-002QS	HEAT SINK	
R764	NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J	J601	QNN0349-002 QQR0582-001Z	PIN JACK	COMP IN
R765 R766	NRSA63J-221X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	K101 K401	QQR0621-002Z	FERRITE BEADS FERRITE BEADS	
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	K912	QQR0582-001Z	FERRITE BEADS	
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	K916	QQR0582-001Z	FERRITE BEADS	
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K917	QQR0582-001Z	FERRITE BEADS	
R811	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	K918	QQR0582-001Z	FERRITE BEADS	
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	K920	QQR1139-001	FERRITE BEADS	
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	K931	QQR0582-001Z	FERRITE BEADS	
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	K932	QQR0582-001Z	FERRITE BEADS	
R839	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	K933	QQR0582-001Z	FERRITE BEADS	
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J	K935	QQR0582-001Z	FERRITE BEADS	
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K	K937	QQR0582-001Z	FERRITE BEADS	
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	LC601	QQR1459-001	EMI F. COIL	
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	LC602	QQR1459-001	EMI F. COIL	
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J	LC603	QQR1459-001	EMI F. COIL	
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J	∆LF901	QQR1159-001	LINE FILTER	
∆ R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	∆LF902	QQR0527-004	LINE FILTER	
 ∆R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J	▲PC921	PC123Y22	PHOTO COUPLER	
 ♣R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J	∆ RY951	QSK0085-001	RELAY	

Ref No.	Part No.	Part Name	Description Local
S421	QSL4A13-C02	LEVER SWITCH	V.CENTER
SF101	QAX0723-001	SAW FILTER	
∆ TH901	QAD0132-3R0	W-PIC	3Ω
∆ TU001	QAU0305-001	TUNER	
∆VA901	ERZV10V621CS	ZNR	8.000000MHz
X701	QAX0767-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3514A-M2)

∆Ref No.	Part No.	Part Name	Description Local
Q3103 Q3107 Q3108 Q3109 Q3304 Q3305 Q3306 Q3351	2SC3928A/QR/-X 2SA2005/DE/ 2SC5511/DE/ 2SC3928A/QR/-X 2SC4544-LB 2SC4544-LB 2SC4544-LB 2SA1530A/QR/-X	TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR SI TRANSISTOR	
D3105 D3106 D3311 D3312 D3313 D3314 D3351 D3351 D3352 D3353 D3354	RH1S-T3 RH1S-T3 MTZJ3.6B-T2 1SS133-T2 MTZJ3.6B-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2	SI DIODE SI DIODE Z DIODE DIODE Z DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
C3101 C3109 C3111 C3113 C3114 C3115 C3117 C3118 C3120 C3121 C3127 C3302 C3303 C3323 C3331 C3332 C3331 C3332 C3333 C3331 C3333 C3333 C3333 C3333 C3333 C3333	QETN1HM-106Z QETN1CM-107Z NDC31HJ-221X QETN2CM-106Z QCB32HK-472Z QCB32HK-472Z QETN2CM-106Z QETN0JM-107Z QETN1AM-107Z QETN1AM-337Z QCS32HJ-151Z NDC31HJ-471X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X QETN1CM-477Z NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X NDC31HJ-181X QETN1CM-227Z QCZ0324-102	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 100uF 16V M 220pF 50V J 10uF 160V M 4700pF 500V K 4700pF 500V K 10uF 160V M 100uF 6.3V M 100uF 10V M 330uF 10V M 150pF 50V J 470pF 50V J 560pF 50V J 390pF 50V J 470uF 16V M 180pF 50V J 180pF 50V J 180pF 50V J 220uF 16V M 1000pF 3kV P
R3115 R3116 R31122 R3123 R3124 R3125 R3126 R3127 R3128 R3129 R3130 R3131 R3132 R3134 R3136 R3139 R3144 R3145 R3145 R3145 R3146 R3148 R3301 R3302 R3304 R3305 R3306 R3307 R3308	NRSA63J-470X NRSA63J-470X QRT029J-R15 NRSA63J-820X NRSA63J-820X NRSA63J-563X NRSA63J-100X NRSA63J-122X NRSA63J-122X NRSA63J-122X NRSA63J-320X NRSA63J-320X NRSA63J-322X NRSA63J-322X NRSA63J-322X NRSA63J-123X NRSA63J-123X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-151X NRSA63J-170X NRSA63J-170X	MG RESISTOR MG RESISTOR MF RESISTOR MG RESISTOR	47Ω 1/16W J 47Ω 1/16W J 0.15Ω 2W J 1.2kΩ 1/16W J 82Ω 1/16W J 10Ω 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 1.2kΩ 1/16W J 1.2kΩ 1/16W J 1.2kΩ 1/16W J 330Ω 1/16W J 330Ω 1/16W J 390Ω 2W J 2.2kΩ 1/16W J 3.9kΩ 1/16W J 3.9kΩ 1/16W J 12kΩ 1/16W J 10Ω 1/16W J 150Ω 1/16W J

⚠Ref No.	No. Part No. Part Name		Description Loc
R3309	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3310	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R3311	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R3312	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R3313	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R3314	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R3315	QRL029J-223	OMF RESISTOR	22kΩ 2W J
R3325	QRZ0107-102Z	C RESISTOR	1kΩ 1/2W K
R3326	QRZ0107-102Z	C RESISTOR	1kΩ 1/2W K
R3327 R3331	QRZ0107-102Z NRSA63J-182X	C RESISTOR MG RESISTOR	1kΩ 1/2W K 1 8kΩ 1/16W J
R3332	NRSA63J-182X NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3333	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3334	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3335	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R3351	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3354	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R3355	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
L3304	QQL244K-470Z	PEAKING COIL	47uH K
CN3004 CN3005 CN300V CN30E2 CN30E4 K3104 K3105 ASK3001	QJB003-074022 WJA0029-002A QGA2501C5-03Z QUB130-46A6AS QUB130-46A6AS QQR1114-001Z QQR1114-001Z QNZ0536-001	SIN ID C-B WIRE E-SI ID WIRE CONNECTOR SIN TWIST WIRE SIN TWIST WIRE FERRITE BEADS FERRITE BEADS CRT SOCKET	W-B (1-3)
△1000 J	QINZU000-UU I	CKI SOUKEI	

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5506A-M2)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6506A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7506A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32F485/Y]

MAIN F	.W. BOARD AS	S'Y (SGJ-1558A-M2	2)	⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local	D915	SARS01-T2	SI DIODE	
IC101 IC201 IC421 IC621 IC621 IC651 IC702 IC703 IC704 IC851 IC852 IC853 AIC911 AIC921	M52342FP-X TM8812CSDNG5DB9 LA78041 TFA9843J/N1 NJM2701M-X NJM2150AD AT24C08-27F485 S-80840CNY-T AN78L05-T L7812CP L7809CP L7805CP STR-G9626-F3 SE135N UN2212-X	IC IC(MCU) IC	(SERVICE)	D917 D918 D920 D931 D933 D935 D937 D941 D945 D952 D953 D954 D955 D956 D957	MTZJ30A-T2 MTZJ5.1C-T2 1SS133-T2 RU4AM-LFT2 RU3YX-LFC4 RU3YX-LFC4 MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SS133-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N5133-T2	Z DIODE Z DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE DIODE FR DIODE DIODE DIODE DIODE DIODE	
Q101 Q131 Q161 Q221 Q232 Q233 Q352 Q353 Q501 AQ511 AQ531 Q542 Q543 Q625 Q621 Q622 Q623 Q625 Q641 Q622 Q623 Q625 Q641 Q622 Q701 Q951 Q971	2SC5083/L-P/-T 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC4212/Z1/ 2SD2645-YD 2SC2785/JH/-T 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1208/ST/Z1-T	TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR FOW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR	H.OUT	C001 C003 C004 C005 C101 C102 C104 C105 C106 C107 C113 C114 C116 C119 C120 C124 C131 C161 C162 C163 C164 C165 C166	QETN1HM-475Z QETN1HM-106Z QETN0JM-477Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 470uF 6.3V M 0.01uF 50V K 0.01uF 50V M 10uF 50V M 10uF 50V M 10uF 50V M 47pF 50V J 47pF 50V J 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D422 D501 D502 D521 D523 D525 D526 D527 D529 ♣D531 D535 D601 D602 D603 D621 D602 D603 D621 D602 D603 D621 D602 D703 D704 D705 D706 D707 D708 D708 D709 D723 ♣D901 D910 D911 D912 D913 D913	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ3.3A-T2 1N4003-T2 MTZJ75-T2 RH3G-F1 RU3AM-LFC4 RH1S-T3 RGP10J-04TS-T3 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MA4068N/Z1/-T2 1SS133-T2 MTZJ9.1C-T2 MTZJ5.6B-T2 MTZJ5.6B-T3	DIODE DIODE DIODE DIODE DIODE DIODE DIODE Z DIODE SI DIODE Z DIODE DIODE Z DIODE DIODE DIODE DIODE DIODE DIODE SI DIODE Z DIODE DIODE SI DIODE		C167 C202 C203 C203 C211 C212 C221 C222 C223 C223 C233 C23	NCB31HK-103X QETN1HM-105Z NCB31HK-152X QENC1CM-106Z NDC31HJ-100X QETN1HM-106Z NCF31AZ-105X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN0JM-227Z NCB31HK-103X QETN1HM-225Z QETN0JM-227Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-27Z NCB31HK-103X QETN1HM-25Z NCB31HK-103X QETN1HM-474Z QETN1CM-107Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-476Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X QETN1HM-476Z NCB31HK-103X QETN1YM-107Z QETN1YM-107Z QETN1YM-107Z QETN1HM-225Z QETN1HM-225Z QETN1HM-225Z QETN1HM-225Z QETN1HM-76Z NCB32HK-103X QCS32HJ-100Z QCB32HK-151Z QCB32HK-151Z QCB32HK-331Z QEHR2CM-105Z QEZ0203-107 QEZ0195-475Z	C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C C C C C C C C C C C C C C C C C C C	0.01uF 50V K 1uF 50V M 1500pF 50V J 10uF 16V M 10pF 50V J 10uF 50V M 1uF 10V Z 0.01uF 50V K 68pF 50V J 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 2.2uF 50V M 220uF 6.3V M 0.01uF 50V K 0.47uF 50V J 100uF 16V M 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.11uF 50V K 0.01uF 50V K 0.01uF 50V K 100uF 16V M

⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
△C510	QFZ0200-422	MPP CAPACITOR	4200pF 1.5kV H	C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K
△C513	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5kV H	C938	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C514	QFP32GJ-183	PP CAPACITOR	0.018uF 400V J	C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C515	QFZ0197-474	MPP CAPACITOR	0.47uF 250V J	C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C521 C523	QETN2EM-106Z QEHR1VM-108Z	E CAPACITOR E CAPACITOR	10uF 250V M	C943 C951	QETN1CM-108Z QETN1EM-477Z	E CAPACITOR E CAPACITOR	1000uF 16V M
C525	QETN1VM-107Z	E CAPACITOR E CAPACITOR	1000uF 35V M 100uF 35V M	C951	QETN1EM-4772 QETN1CM-227Z	E CAPACITOR	470uF 25V M 220uF 16V M
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M	∆ C997	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C601	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	∆ C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C602	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	∆ C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C603	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C621	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C622	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C624	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C626	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
C627	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C628	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C629	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C630	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
C632	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
C633	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J 390kΩ 1/16W J
C634	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R111	NRSA63J-394X	MG RESISTOR	330kΩ 1/16W J
C635	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R112	NRSA63J-334X	MG RESISTOR	
C637	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C638	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C641	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C642	NCB31CK-273X	C CAPACITOR	0.027uF 16V K	R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C643	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R120	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
C644	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R121	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C645	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C646	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C647	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
C648	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	R134	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C649	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C651	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C652	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C655	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C656	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C657	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C658	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C659	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R171	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C662	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C705	NCB31HK-103X NDC31HJ-220X	C CAPACITOR C CAPACITOR	0.01uF 50V K	R231	NRSA63J-182X NRSA63J-392X	MG RESISTOR	1.8kΩ 1/16W J
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R241	NRSA63J-332X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 1.5kΩ 1/16W J
C712 C728	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R243 R281	NRSA63J-152X NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M	R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C853	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J
C857	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
∆C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
∆C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	R296	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
∆ C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R297	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
∆C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R298	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
∆C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
∆ C906	QCZ9054-102 QEZ0644-567	C CAPACITOR	1000pF AC250V Z 560uF 200V K	R302 R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
C907 ∆ C908	QCZ9054-102	E CAPACITOR C CAPACITOR	1000pF AC250V Z	R304	NRSA63J-222X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K	R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C933	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R423	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R424 R426 R427 R428 R429 R431 R432 R433 R434 R435 R441 R501 R502 R503 R504 R505 R511 R512 R516 R524 R526 R527 R528 R529 AR531 R532 R533 R534 AR535 R536 AR537 R538 R534 R537 R538 R544 R545 R546 R547 R548	NRSA63J-393X NRSA63J-183X QRT029J-1R2 QRE121J-120Y NRSA63J-272X NRSA63J-152X NRSA63J-152X NRSA63J-161X QRL029J-221 QRE121J-102Y NRSA63J-0R0X NRSA63J-271X QRE121J-103Y QRE121J-103Y QRE121J-103Y QRE121J-220Y QRE121J-220Y QRE121J-220Y QRE121J-681Y QRZ0221-2R0 NRSA63J-563X QRE121J-154Y NRSA63J-123X NRSA63J-273X NRSA63J-273X NRSA63J-273X NRSA63J-273X NRSA63J-123X NRSA63J-123X NRSA63J-123X NRSA63J-123X NRSA63J-123X NRSA63J-123X NRSA63J-123X NRSA63J-333X QRE121J-122Y QRE121J-122Y QRE121J-122Y QRE121J-122Y QRE121J-122Y QRE121J-1822Y NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-104X QRE121J-152Y	MG RESISTOR MG RESISTOR MF RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR MG RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR OMF RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR	39kΩ 1/16W J 18kΩ 1/16W J 1.2Ω 2W J 1.2Ω 1/2W J 2.7kΩ 1/16W J 1.5kΩ 1/16W J 1.5kΩ 1/16W J 1.5kΩ 1/16W J 20Ω 2W J 1kΩ 1/2W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 270Ω 1/16W J 1.5kΩ 3W J 2Ω 1/2W J 680Ω 1/2W J 680Ω 1/2W J 2Ω 7W K 56kΩ 1/16W J 2.7kΩ 1/2W J 150kΩ 1/2W J 150kΩ 1/2W J 330Ω 1/16W J 2.4kΩ 1/16W J 12kΩ 1/16W J 33kΩ 1/16W J	R764 R765 R766 R767 R769 R7772 R811 R816 R821 R827 R839 R857 R901 R909 R911 R912 R913 AR914 AR915 AR915 R911 R912 R913 R914 R950 R951 R950 R951 R952 R953 R977 R958 R977 R978 AR998 R999	NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-225X QRL029J-820 QRF074K-1R2 QRG01GJ-470 QRE121J-223Y QRT029J-R18 QRT029J-R18 QRT029J-R15 QRK126J-681X QRK129J-6R8 QRK126J-681X QRK129J-6R8 QRK126J-332X QRE121J-222Y QRE121J-181Y QRL029J-183 NRSA63J-473X NRSA63J-102X QRE121J-223Y QRE121J-225	MG RESISTOR OMF RESISTOR OMF RESISTOR UNF WW RESISTOR C RESISTOR UNF C RESISTOR UNF C RESISTOR UNF C RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 120kΩ 1/16W J 2.2MΩ 1/16W J 2.2MΩ 1/16W J 2.2MΩ 1/16W J 3.8Ω 2W J 0.15Ω 2W J 0.18Ω 2W J 6.8Ω 1/2W J 6.8Ω 1/2W J 2.2kΩ 1/2W J 2.2kΩ 1/2W J 180Ω 1/16W J 2.7MΩ 1/10W D 3.3kΩ 1/16W J 2.7MΩ 1/2W K 120Ω 1/2W J
R548 R553 AR554 R555 R601 R602 R603 R621 R623 R624 R626 R627 R628 R630 R631 R641 R642 R643 R644 R645 R646 R647	QRE121J-152Y QRL039J-330 QRK126J-220X QRT029J-2R2 NRSA63J-750X NRSA63J-750X NRSA63J-123X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X	C RESISTOR OMF RESISTOR OMF RESISTOR WF C RESISTOR MF RESISTOR MG RESISTOR	1.5kΩ 1/2W J 33Ω 3W J 22Ω 1/2W J 2.2Ω 2W J 75Ω 1/16W J 75Ω 1/16W J 75Ω 1/16W J 12kΩ 1/16W J 1kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 22kΩ 1/16W J 10kΩ 1/16W J	L001 L101 L131 L161 L232 L241 L391 L511 L512 L521 L701 L702 L703 L704 L705 L931 L933 L937 L940 T111 T501 季1951	QQL244K-560Z QQL2014-R39 QQL29BJ-220Z QQL29BJ-220Z QQL244K-560Z QQL244K-220Z QQL244K-220Z QQL2036-821 QQLZ036-821 QQLZ026-121 QQL2044K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-20Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQR0907-001 QQR0907-001 QQR1414-001 QQS0152-001 QQR10355-001	PEAKING COIL COIL P COIL P COIL P COIL PEAKING COIL PEAKING COIL LINEARITY COIL COIL PEAKING COIL CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL FERRITE BEADS I F T DRIVE TRANSF SW TRANSF POWER TRANSF	56uH K 0.39uH 100mA L 0.65Ω 22uH J 0.65Ω 22uH J 56uH K 22uH K 22uH K 820uH K 120uH A}7% 22uH K 47uH K 47uH K
R651 R652 R653 R654 R655 R657 R659 R680 R700 R701 R702 R704 R705 R706 R707 R708 R709 R718 R721 R729 R731 R732 R733 R734 R739 R740	NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-0R0X NRSA63J-103X NRSA63J-101X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-101X	MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 0Ω 1/16W J 0Ω 1/16W J 10kΩ 1/16W J 100Ω 1/16W J	CF001 CF131 CF161 CN001 CN004 CN005 CN007 CN00C CN0E1 CN0E3 CN0HV CN0S1 CN0SS ACP932 ACP933 ACP936 AF901 FC902 AFR525 HS001 HS002 HS003 HS004	QAX0349-001 QAX0639-001Z QAX0639-001Z QAX0642-001Z QGB1505J1-35 QGA2501C5-06Z QGA2501C5-06Z QGA2501C5-06Z QGA2501C5-06Z QGA2501C5-05Z QGA2501C5-05Z QGA2501C5-05Z QGA2501C5-05Z QGA2501C5-05Z QGA2501C5-04Z ICP-N70-T ICP-N70-T ICP-N70-T ICP-N70-T QMF51N1-5R0-J5 QMF2049-5R0Z-E CEMG002-001Z QRZ9017-4R7 LC32600-001A LC31678-001A LC32111-002A CEHE015-001WU	C TRAP C TRAP C TRAP C TRAP C FILTER CONNECTOR CONNECTOR CONNECTOR CONNECTOR LV CONNECTOR LV CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR IC PROTECTO	47.25MHz 4.500MHz 4.500MHz B-B (1-35) W-B (1-7) W-B (1-6) W-B (1-6) W-B (1-6) W-B (1-6) W-B (1-5) W-B (1-5) W-B (1-5) W-B (1-5) W-B (1-4) 2.5A 2.5A 2.5A 2.5A 5A AC125V 5A 125V 4.7Ω 1/4W J

⚠Ref No.	Part No.	Part Name	Description Local
HS005 HS007 J601 K101 K401 K912 K916 K917 K918 K920 K931 K932 K933 K935 K935 LC601 LC602 LC602 LC603 ΔLF901 ΔLF902	CM42862-00G-H CEHT11B-002QS QNN0349-002 QQR0582-001Z QQR1459-001 QQR1459-001 QQR1459-001	HEAT SINK ASSY HEAT SINK PIN JACK FERRITE BEADS FERRITE BE	COMP IN
⚠PC921 ⚠RY951 S421	PC123Y22 QSK0085-001 QSL4A13-C02	PHOTO COUPLER RELAY LEVER SWITCH	V.CENTER
SF101 ⚠TH901 ⚠TU001 ⚠VA901	QAX0723-001 QAD0132-3R0 QAU0305-001 ERZV10V621CS	SAW FILTER W-PIC TUNER ZNR	3Ω
X701	QAX0767-001Z	CRYSTAL	8.000000MHz

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3515A-M2)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5506A-M2)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6506A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7506A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32F485/z]

MAIN F	.W. BOARD AS	S'Y (SGJ-1559A-M2	2)	⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local	D915	SARS01-T2	SI DIODE	
IC101 IC201 IC421 IC621 IC621 IC651 IC702 IC703 IC704 IC851 IC852 IC853 AIC911 AIC921	M52342FP-X TM8812CSDNG5DB9 LA78041 TFA9843J/N1 NJM2701M-X NJM2150AD AT24C08-27F485 S-80840CNY-T AN78L05-T L7812CP L7809CP L7805CP STR-G9626-F3 SE135N UN2212-X	IC IC(MCU) IC	(SERVICE)	D917 D918 D920 D931 D933 D935 D937 D941 D945 D952 D953 D954 D955 D956 D957 D972	MTZJ30A-T2 MTZJ5.1C-T2 1SS133-T2 RU4AM-LFT2 RU3YX-LFC4 RU3YX-LFC4 MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SS133-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4002G-T2 1N4012G-T2 1N4012G-T2 1N4012G-T2 1N4012G-T2 1N4012G-T2 1N4012G-T2 1N4012G-T2	Z DIODE Z DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE DIODE FR DIODE DIODE DIODE DIODE DIODE	
Q101 Q131 Q161 Q221 Q232 Q233 Q352 Q353 Q501 AQ511 AQ531 Q542 Q543 Q621 Q622 Q623 Q625 Q641 Q622 Q625 Q641 Q625 Q641 Q625 Q642 Q701 Q951 Q971	2SC5083/L-P/-T 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1208/ST/Z1-T	TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR SI TRANSISTOR FOW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR	H.OUT	C001 C003 C004 C005 C101 C102 C104 C105 C106 C107 C113 C114 C116 C119 C120 C124 C131 C161 C162 C163 C164 C165 C166	QETN1HM-475Z QETN1HM-106Z QETN0JM-477Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 470uF 6.3V M 0.01uF 50V K 0.01uF 50V M 10uF 50V M 10uF 50V M 10uF 50V M 47pF 50V J 47pF 50V J 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D422 D501 D502 D521 D523 D525 D526 D527 D529 ♣D531 D535 D601 D602 D603 D621 D602 D603 D621 D602 D603 D621 D602 D703 D704 D705 D706 D707 D708 D708 D709 D723 ♣D901 D910 D911 D912 D913 D913	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ3.3A-T2 1N4003-T2 MTZJ75-T2 RH3G-F1 RU3AM-LFC4 RH1S-T3 RGP10J-04TS-T3 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MA4068N/Z1/-T2 1SS133-T2 MTZJ9.1C-T2 SS133-T2 MTZJ5.6B-T2 MTZJ5.6B-T3	DIODE DIODE DIODE DIODE DIODE DIODE DIODE Z DIODE SI DIODE Z DIODE DIODE DIODE DIODE DIODE SI DIODE		C167 C202 C203 C203 C211 C212 C221 C222 C223 C233 C237 C241 C242 C243 C244 C281 C282 C283 C284 C288 C302 C352 C354 C360 C391 C392 C422 C424 C425 C427 C428 C431 C433 C435 C440 C501 C502 C503 C504 C507	NCB31HK-103X QETN1HM-105Z NCB31HK-152X QENC1CM-106Z NDC31HJ-100X QETN1HM-106Z NCF31AZ-105X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN0JM-227Z NCB31HK-103X QFVF1HJ-474Z QETN1CM-107Z NCB31HK-103X QFVF1HJ-474Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-24Z QETN1CM-107Z NCB31HK-103X QETN1HM-474Z QETN1CM-107Z NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1CM-107Z	C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C C C C C C C C C C C C C C C C C C C	0.01uF 50V K 1uF 50V M 1500pF 50V J 10uF 50V J 10uF 50V J 10uF 50V M 1uF 10V Z 0.01uF 50V K 68pF 50V J 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 2.2uF 50V M 220uF 6.3V M 0.01uF 50V K 0.47uF 50V J 100uF 16V M 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 0.47uF 50V M 0.01uF 50V K 0.1uF 50V K 0.1uF 50V M 0.01uF 50V K 0.1uF 50V M 0.01uF 50V K 0.1uF 50V M 0.01uF 50V K 0.1uF 25V M 0.01uF 50V K 0.1uF 25V M 0.01uF 50V K 100uF 16V M 100uF 16V M 100uF 16V M 100uF 16V M 0.018uF 50V K 10pF 500V J 150pF 500V K 10pF 500V K 10pF 500V K 10pF 500V K 10pF 500V M 100uF 160V M 4.7uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local	ÆRef No.	Part No.	Part Name	Description Local
△C510	QFZ0200-422	MPP CAPACITOR	4200pF 1.5kV H	C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K
△C513	QFZ0200-822	MPP CAPACITOR	8200pF 1.5kV H	C938	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C514	QFP32GJ-273	PP CAPACITOR	0.027uF 400V J	C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C515	QFZ0197-304	MPP CAPACITOR	0.3uF 250V J	C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M	C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C523	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C525	QETN1VM-107Z	E CAPACITOR	100uF 35V M	C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C526 C527	QFV21HJ-824Z QFLC2AJ-103Z	MF CAPACITOR	0.82uF 50V J	C971 C972	QETN1CM-107Z	E CAPACITOR	100uF 16V M 47uF 25V M
C533	QETN1HM-106Z	M CAPACITOR E CAPACITOR	0.01uF 100V J 10uF 50V M	∆ C997	QETN1EM-476Z QCZ9079-102	E CAPACITOR C CAPACITOR	1000pF AC250V M
C601	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	∆ C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	∆ C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K				
C604	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C621	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C622	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C624	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C626	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
C627	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C628	QETN1HM-226Z	E CAPACITOR	22uF 50V M	R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C629	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C630	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
C632	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
C633	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
C634	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
C635	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C637	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C638	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C641	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C642	NCB31CK-273X	C CAPACITOR	0.027uF 16V K	R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C643	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R120	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
C644	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R121	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C645	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C646	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C647	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
C648	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	R134	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C649	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C651	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C652	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C655	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C656	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C657	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C658	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C659	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R171	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C662	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C700 C701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R212 R215	NRSA63J-272X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J
C702	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R216	NRSA63J-562X NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J 5.6kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M	R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C853	QETN1EM-227Z	E CAPACITOR	220uF 25V M	R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J
C857	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
∆ C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
∆ C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	R296	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
 ∆C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R297	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
 ∆C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R298	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
∆ C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C907	QEZ0644-567	E CAPACITOR	560uF 200V K	R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
∆ C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K	R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C933	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R423	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
Cano	AFTINI NINI-1007	LOAFAUTOR	TOOUUF 33V IVI	N#43	INIVONUO1-080V	IVIO NEOIOTUR	29/27 1/ 10// J

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
R424	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R426	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R427 R428	QRT029J-1R2 QRE121J-120Y	MF RESISTOR C RESISTOR	1.2Ω 2W J 12Ω 1/2W J	R766 R767	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
R429	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R431 R432	NRSA63J-152X NRSA63J-101X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 100Ω 1/16W J	R772 R811	NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J
R433	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R434 R435	QRL029J-221 QRE121J-821Y	OMF RESISTOR C RESISTOR	220Ω 2W J 820Ω 1/2W J	R821 R827	NRSA63J-184X NRSA63J-102X	MG RESISTOR MG RESISTOR	180kΩ 1/16W J 1kΩ 1/16W J
R441 R501	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	R839 R857	NRSA63J-225X QRL029J-820	MG RESISTOR OMF RESISTOR	2.2MΩ 1/16W J 82Ω 2W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R503 R504	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J 1.5kΩ 3W J	R909 R911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J 22kΩ 1/2W J
R505	QRL039J-152 QRL039J-152	OMF RESISTOR OMF RESISTOR	1.5kΩ 3W J	R912	QRE121J-223Y QRT029J-R18	C RESISTOR MF RESISTOR	0.18Ω 2W J
R511 R512	QRE121J-220Y QRE121J-681Y	C RESISTOR C RESISTOR	22Ω 1/2W J 680Ω 1/2W J	R913 ∆ R914	QRT029J-R15 QRK126J-681X	MF RESISTOR UNF C RESISTOR	0.15Ω 2W J 680Ω 1/2W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K	 ∆R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
R524 R526	NRSA63J-563X QRE121J-272Y	MG RESISTOR C RESISTOR	56kΩ 1/16W J 2.7kΩ 1/2W J	∆ R917 R918	QRK126J-332X QRE121J-222Y	UNF C RESISTOR C RESISTOR	3.3kΩ 1/2W J 2.2kΩ 1/2W J
R527	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R528 R529	QRE121J-124Y NRSA63J-331X	C RESISTOR MG RESISTOR	120kΩ 1/2W J 330Ω 1/16W J	R924 R930	QRE121J-222Y QRE121J-223Y	C RESISTOR C RESISTOR	2.2kΩ 1/2W J 22kΩ 1/2W J
 ∆R531	QRZ0230-391X	UNF C RESISTOR	390Ω	R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R532 R533	NRSA63J-273X NRSA63J-123X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 12kΩ 1/16W J	R941 R950	QRL029J-183 NRSA63J-0R0X	OMF RESISTOR MG RESISTOR	18kΩ 2W J 0Ω 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R535 R536	NRSA63D-222X QRE121J-470Y	MG RESISTOR C RESISTOR	2.2kΩ 1/16W D 47Ω 1/2W J	R952 R953	NRSA63J-102X QRE121J-820Y	MG RESISTOR C RESISTOR	1kΩ 1/16W J 82Ω 1/2W J
 ⚠R537	NRVA02D-752X	CMF RESISTOR	7.5kΩ 1/10W D	R972	NRVA02D-102X	CMF RESISTOR	1kΩ 1/10W D
R538 R543	NRSA63J-333X QRE121J-122Y	MG RESISTOR C RESISTOR	33kΩ 1/16W J 1.2kΩ 1/2W J	R973 R975	NRVA02D-332X QRE121J-223Y	CMF RESISTOR C RESISTOR	3.3kΩ 1/10W D 22kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R545 R546	QRE121J-153Y NRSA63J-331X	C RESISTOR MG RESISTOR	15kΩ 1/2W J 330Ω 1/16W J	R978 ∆ R998	NRSA63J-333X QRZ9041-275	MG RESISTOR C RESISTOR	33kΩ 1/16W J 2.7MΩ 1/2W K
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R548 R553	QRE121J-152Y QRL039J-330	C RESISTOR OMF RESISTOR	1.5kΩ 1/2W J 33Ω 3W J	L001	QQL244K-560Z	PEAKING COIL	56uH K
 ⚠R554	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	L101	QQLZ014-R39	COIL	0.39uH 100mA L
R555 R601	QRT029J-2R2 NRSA63J-750X	MF RESISTOR MG RESISTOR	2.2Ω 2W J 75Ω 1/16W J	L131 L161	QQL29BJ-220Z QQL29BJ-220Z	P COIL P COIL	0.65Ω 22uH J 0.65Ω 22uH J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L232	QQL244K-560Z	PEAKING COIL	56uH K
R603 R621	NRSA63J-750X NRSA63J-123X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 12kΩ 1/16W J	L241 L391	QQL244K-220Z QQL244K-220Z	PEAKING COIL PEAKING COIL	22uH K 22uH K
R623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L511	QQR1409-002	LINEARITY COIL	
R624 R626	NRSA63J-123X NRSA63J-102X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 1kΩ 1/16W J	L512 L521	QQLZ028-501 QQR1333-001	COIL CHOKE COIL	500uH
R627	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L701	QQL244K-220Z	PEAKING COIL	22uH K
R628 R630	NRSA63J-103X NRSA63J-472X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 4.7kΩ 1/16W J	L702 L703	QQL244K-220Z QQL244K-220Z	PEAKING COIL PEAKING COIL	22uH K 22uH K
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L704	QQL244K-220Z	PEAKING COIL	22uH K
R641 R642	NRSA63J-102X NRSA63J-103X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J	L705 L931	QQL244K-220Z QQL26AK-470Z	PEAKING COIL CHOKE COIL	22uH K 47uH K
R643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L933	QQL26AK-470Z	CHOKE COIL	47uH K
R644 R645	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J	L937 L940	QQL26AK-470Z QQR0582-001Z	CHOKE COIL FERRITE BEADS	47uH K
R646	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	T111	QQR0907-001	IFT	
R647 R648	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	T501 - ∆ T921	QQR1414-001 QQS0152-001	DRIVE TRANSF SW TRANSF	
R649 R651	NRSA63J-104X NRSA63J-223X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 22kΩ 1/16W J	∆ T951	QQT0355-001	POWER TRANSF	
R652	NRSA63J-223X NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	CF001	QAX0349-001	C TRAP	47.25MHz
R653 R654	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	CF131 CF161	QAX0639-001Z QAX0642-001Z	C TRAP C FILTER	4.500MHz 4.500MHz
R655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
R657 R659	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J	CN004 CN005	QGA2501C5-07Z QGA2501C5-06Z	CONNECTOR CONNECTOR	W-B (1-7) W-B (1-6)
R680	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
R700 R701	NRSA63J-102X NRSA63J-103X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J	CN00C CN0E1	QGA2501F1-06 CE41507-001P	CONNECTOR LV CONNECTOR	W-B (1-6)
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CN0E3	CE41507-001P	LV CONNECTOR	
R704 R705	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J	CN0HV CN0S1	QGZ5004C1-06 QGA2501C5-05Z	CONNECTOR CONNECTOR	(1-6) W-B (1-5)
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
R707 R708	NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J		ICP-N70-T ICP-N70-T	IC PROTECTOR IC PROTECTOR	2.5A 2.5A
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	ΔCP936	ICP-N70-T	IC PROTECTOR	2.5A
R718 R721	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J	 ∆F901 ∆F905	QMF51N1-5R0-J5 QMFZ049-5R0Z-E	FUSE FUSE	5A AC125V 5A 125V
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	△FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
R731 R732	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	HS001 HS002	LC32600-001A LC31678-001A	HEAT SINK HEAT SINK/AL-F/	
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	HS003	LC32111-002A	HEAT SINK/AL-F/	
R734 R739	NRSA63J-472X NRSA63J-272X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 2.7kΩ 1/16W J	HS004 HS005	CEHE015-001WU CM42862-00G-H	HEAT SINK HEAT SINK ASSY	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	HS007	CEHT11B-002QS	HEAT SINK	

⚠Ref No.	Part No.	Part Name	Description Loca
J601 K101 K401 K912 K916 K917 K918 K920 K931 K932 K933 K935 K937 LC601 LC602 LC603 ΔLF901 ΔLF902 ΔPC921	QNN0349-002 QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR1459-001 QQR1459-001 QQR1459-001 QQR1459-001 QQR1159-001 QQR1159-001 QQR1527-004 PC123Y22	PIN JACK FERRITE BEADS FIRRITE BEADS FERRITE BEADS FIRRITE BEADS FERRITE BEADS FIRRITE BEADS FOULLE BILLING FILTER FILTER FILTER FHOTO COUPLER	COMP IN
∆RY951 S421	QSK0085-001 QSL4A13-C02	RELAY LEVER SWITCH SAW FILTER	V.CENTER
SF101 ⚠TH901 ⚠TU001 ⚠VA901	QAX0723-001 QAD0132-3R0 QAU0305-001 ERZV10V621CS	W-PIC TUNER ZNR	3Ω
X701	QAX0767-001Z	CRYSTAL	8.000000MHz

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3514A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5506A-M2)

REFER TO PARTS LIST IN PAGE 3-9 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6506A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

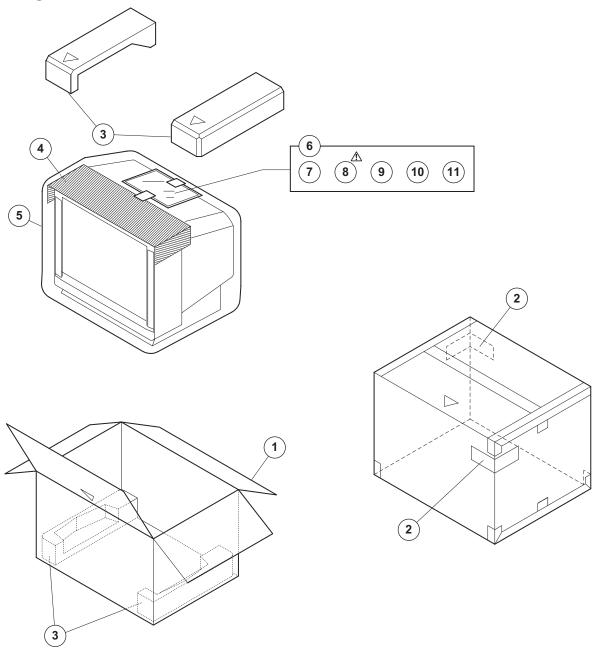
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7506A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1258G-1H)

⚠Ref No.	Part No.	Part Name	Description Local
	UR77EC0603B	BATTERY COVER	

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10181-033B-A	PACKING CASE	On in 44	
	2	CM36616-001-A LC11560-002E-A	CORNER LABEL CUSHION ASSY	2pcs in 1set 4pcs in 1set	
	4	CP30055-A02-A	TOP COVER	4pcs III Tset	
	5	CP30056-A04-A	POLY BAG		
	6	QPA02503505	POLY BAG	25cm x 35cm	
	7	RM-C1258G-1H	REMOCON		
⚠	8	LCT1562-001A-A	INST BOOK	English/French	
	9 10	BT-51034-1Q BT-52006-2Q	REGIST. CARD WARRANTY CARD		
	11		BATTERY	R6P/AA(x2)	

JVC

SCHEMATIC DIAGRAMS

COLOR TELEVISION

AV-32F475, AV-32F475, AV-32F485, AV-32F485,

CD-ROM No.SML200403



BASIC CHASSIS

GJ4



AV-32F475/Y, AV-32F475/Z, AV-32F485/Y, AV-32F485/Z

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \(\triangle \) symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

variable resistor : Original setting position

when shipped

(3)Internal resistance of tester : DC 20kΩ /V

(4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div

: V ⇒ 5ms / div

: Othters \Rightarrow Sweeping time is

specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

Rated allowable power

No indication : 1/16 [W]
Others : As specified

Type

No indication : Carbon resistor

OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor

FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

 $\begin{array}{ll} \text{1 or higher} & : [pF] \\ \text{less than 1} & : [\mu F] \end{array}$

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor

MM : Metalized mylar capacitor

PP : Polypropylene capacitor

MPP : Metalized polypropylene capacitor

MF : Metalized film capacitor
TF : Thin film capacitor

BP : Bipolar electrolytic capacitor

TAN : Tantalum capacitor

(3)Coils

No unit : [µH]

Others : As specified

(4)Power Supply



*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\bot) side GND and the ISOLATED(NEUTRAL) : (\beth) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
 If the above precaution is not respected, a fuse or any parts will be broken.
- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

2-1 No.YA057

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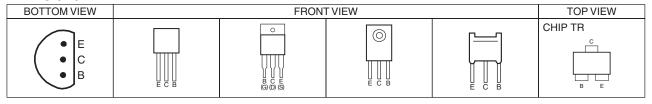
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CHANNEL CHART (CA) 2-20	CHANNEL CHART (US)	2-19
	CHANNEL CHART (CA)	2-20

USING P.W. BOARD

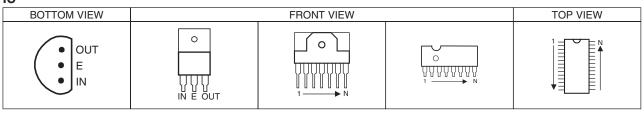
PWB ASS'Y name	AV-32F475/Y	AV-32F475/Z	AV-32F485/Y	AV-32F485/Z
MAIN P.W. BOARD	SGJ-1553A-M2	SGJ-1554A-M2	SGJ-1558A-M2	SGJ-1559A-M2
AV SELECTOR P.W. BOARD	SGJ-5506A-M2	←	←	←
CRT SOCKET P.W. BOARD	SGJ-3515A-M2	SGJ-3514A-M2	SGJ-3515A-M2	SGJ-3514A-M2
FRONT CONTROL P.W. BOARD	SGJ-6506A-M2	←	←	←
LED & POWER SW P.W. BOARD	SGJ-7506A-M2	←	←	←

SEMICONDUCTOR SHAPES

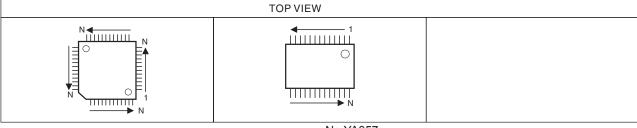
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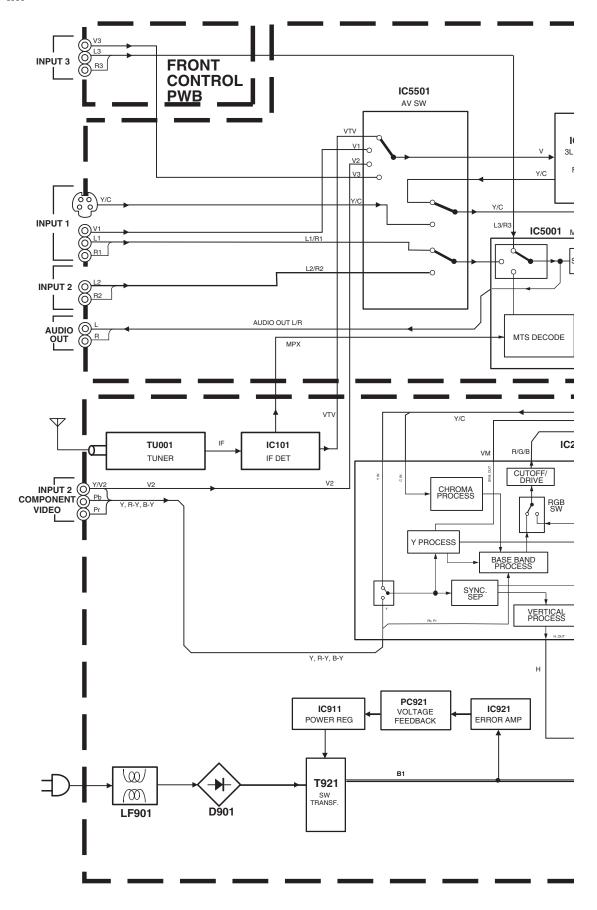
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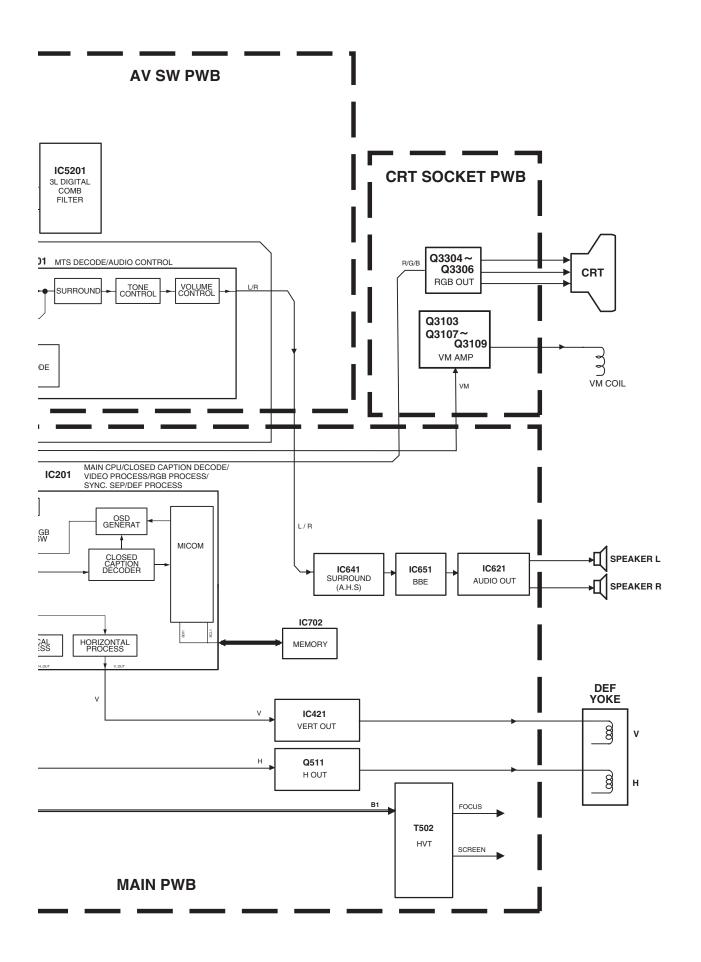
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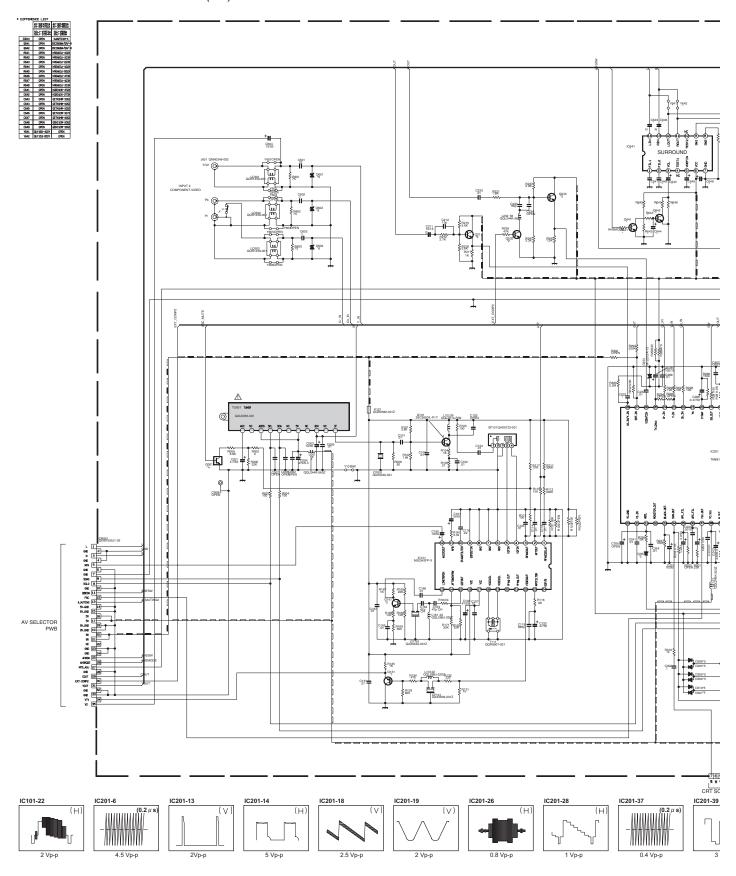


BLOCK DIAGRAM

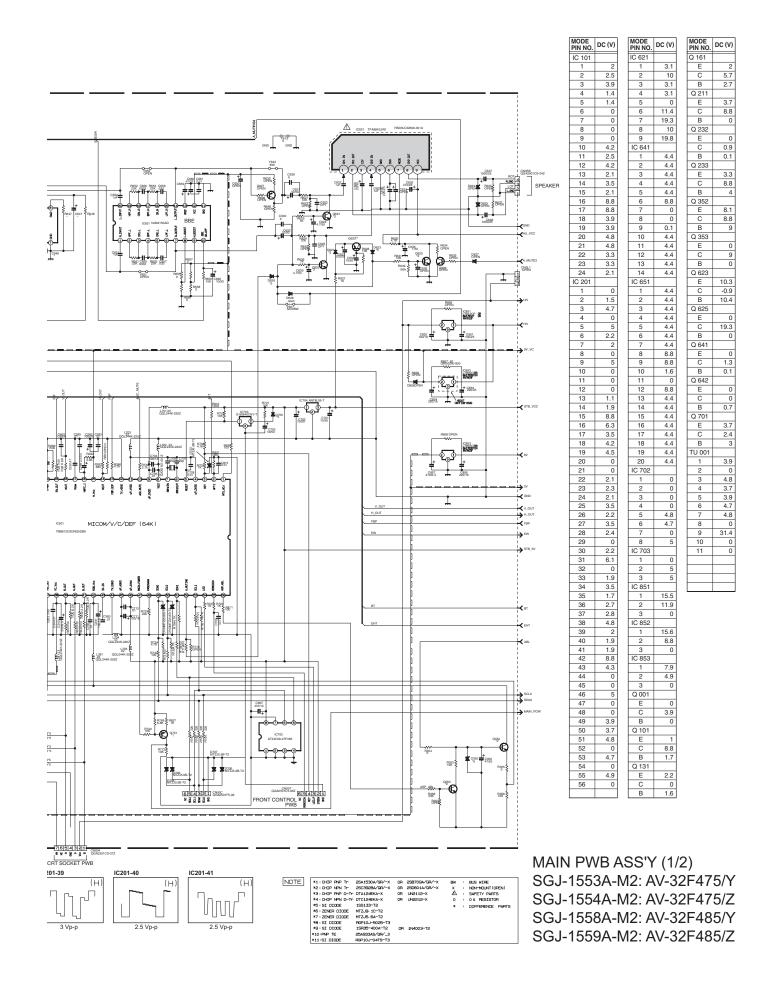


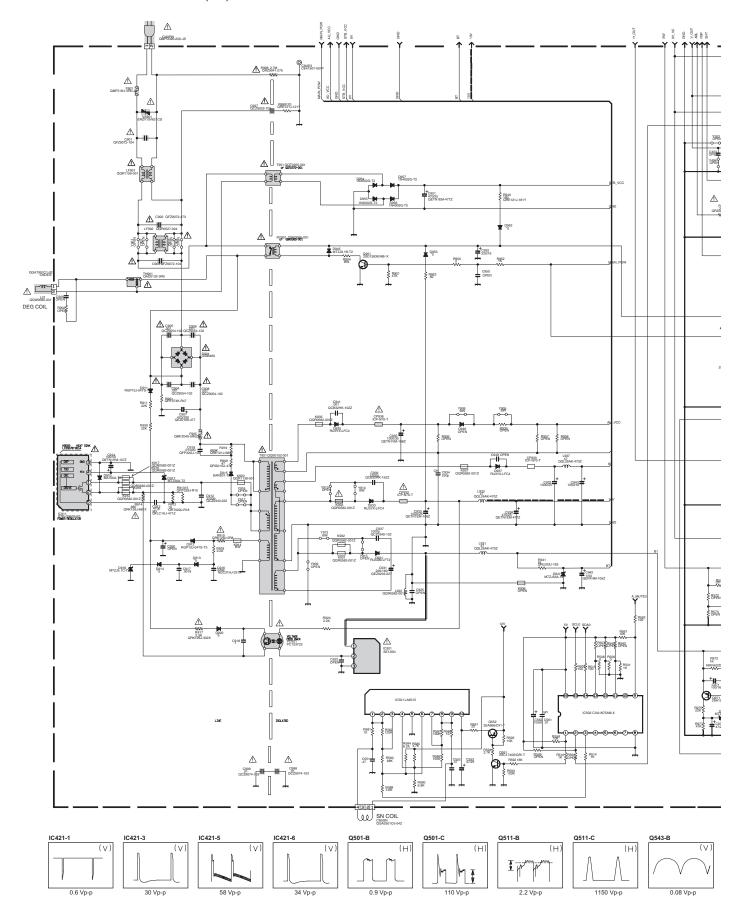
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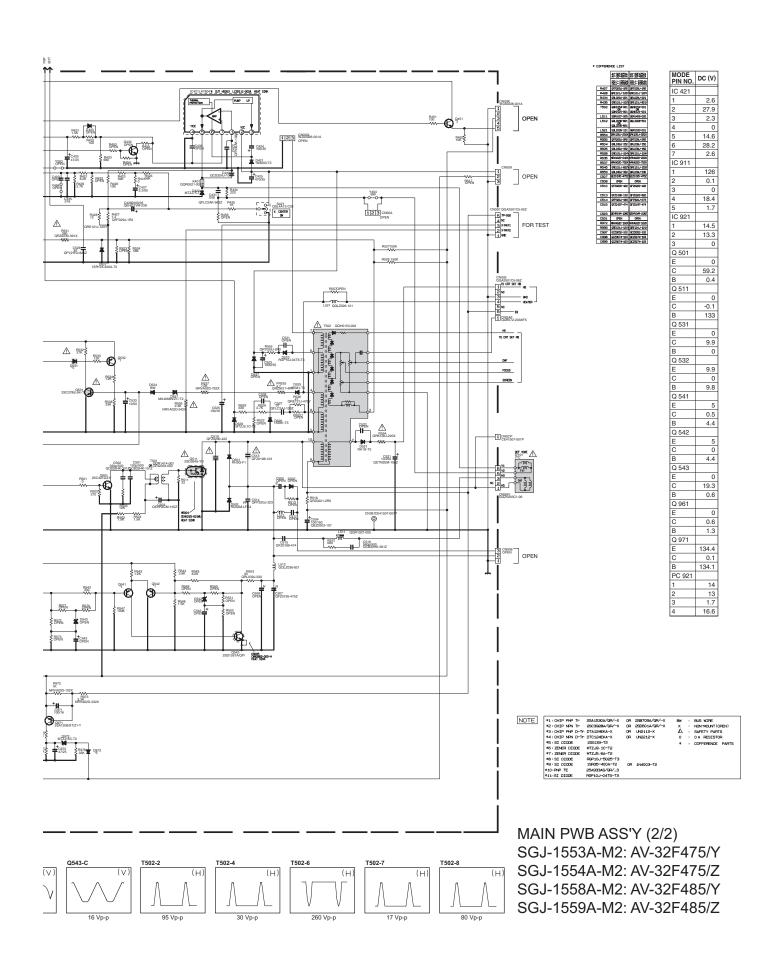


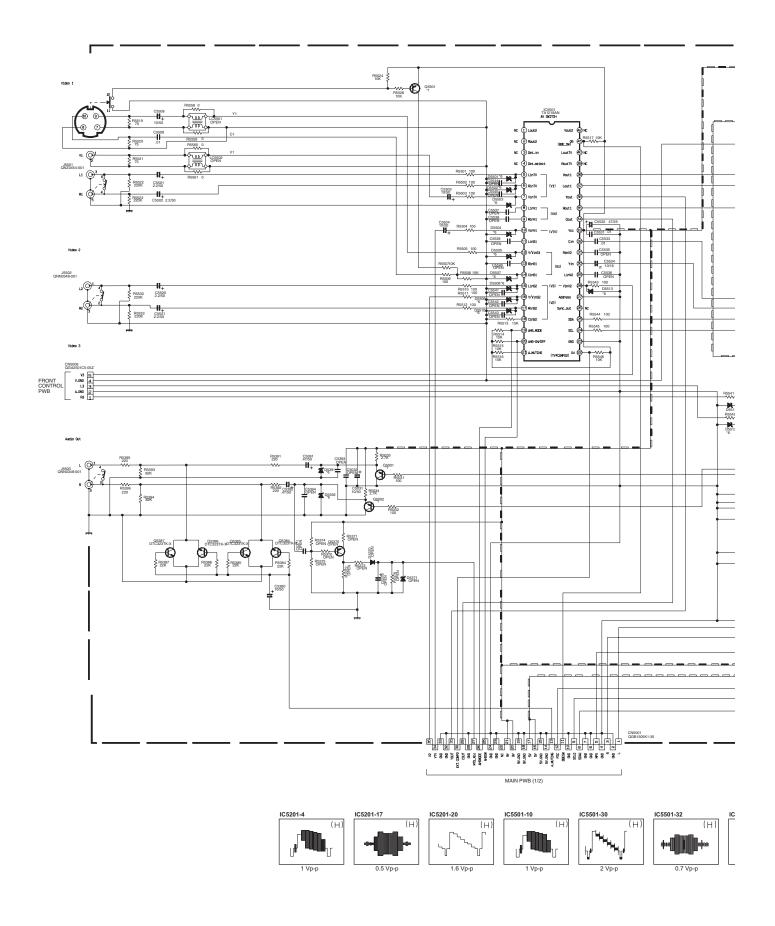
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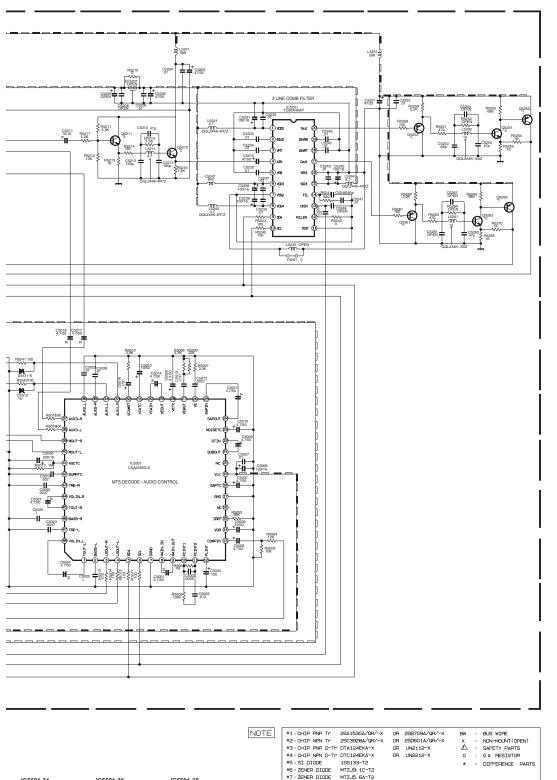


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IC 5001		40	3.8
1	4	41	8.2
2	4.1	42	4.3
3	4	IC 5201	
4	4	1	4.5
5	3.9	2	1.3
6	3.7	3	3.1
7	0	4	2.3
	4		
8	4	5	1.8
9		6	4.9
10	3.9	8	4.9
12	5.1	9	3.9
13	4	10	3.7
14	1.2	11	0
15	0	12	0
16	0	13	2.5
17	0	14	1.8
18	3	15	4.9
19	8.8	16	0
20	0	17	2.3
21	0	18	3.1
22	4	19	1.8
23	4.1	20	2.3
24	3.8	Q 5001	
25	4	E	4.7
26	3.9	C	0
27	3.9	В	4
28	1.7	Q 5002	4
			4.7
29	4	E	
30	4	С	0
31	1.6	В	4
32	4	Q 5211	
33	4	E	5.9
34	4	С	8.8
35	4	В	6.6
36	4	Q 5212	
37	4	Е	5.2
38	4	С	8.8
39	4	В	5.9
40	4	Q 5251	0.0
			2.4
41	0.6	E	2.4
42	4	C	8.1
43	0	В	3
44	4	Q 5252	
45	4	E	8.8
46	0	C	3.9
47	4	В	8.1
48	4	Q 5253	
IC 5501		E	3
1	3.8	С	0
2	3.8	В	2.3
3	6.4	Q 5261	
4	3.6	E	3
		C	0
5	5.1		
6	5.1	В	2.3
7	5.1	Q 5262	
8	5.1	E	2.4
9	5.1	С	8.1
10	5.1	В	3
11	5.1	Q 5263	
12	5.1	Е	8.8
13	5.1	С	3.9
14	1.7	В	8.1
15	5.1	Q 5384	
16	5.1	E	0
17	5.1	С	0
18	1.7	В	0
19	0.1	Q 5385	
20	0.1	E	0
21	0.1	C	0
22	0.1	В	0
23	0.1	Q 5386	U
24			
	3.7	E	0
25	3.9	С	0
26	0.7	В	0
27	0	Q 5387	
28	5.1	E	0
29	5.1	C	0
30	5.1	В	0
31	5.1	Q 5370	
32	5	Е	8.8
33	8.8	С	0
34	3.6	В	8.2
35	3.8	Q 5501	
36	3.6	E	8.8
		C	1.7
37	3.8		
37 38	3.8 4.3	В	8.8

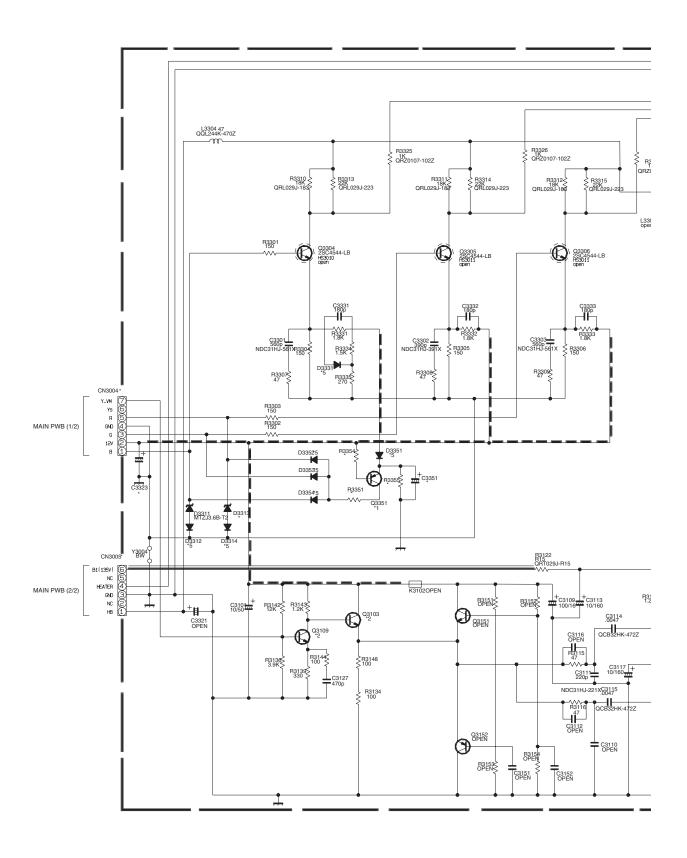
MODE PIN NO. DC (V)

MODE PIN NO. DC (V)

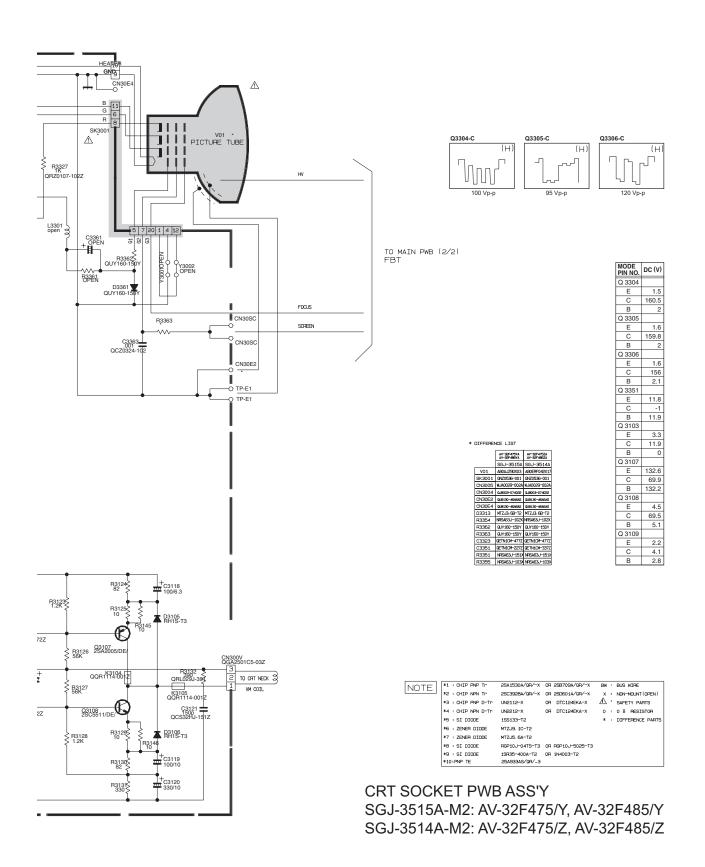
*1: CHIP PNP Tr *2: CHIP NPN Tr *3: CHIP PNP D-Tr *4: CHIP NPN D-Tr *5: SI DIOCE *6: ZENER DIOCE *7: ZENER DIOCE *8: SI DIOCE *9: SI DIOCE *10: PNP TE 2SA1530A/GR/-X
2SC3928BA/GR/-X
CR 2SD601A/GR/-X
CR 2SD601A/GR/-X
CR 2SD601A/GR/-X
CR 2SD601A/GR/-X
CR 2S12-X
CR 212-X
CR 212-X
CR 212-X
CR 213-3-T2
MTZ.9. 10-T2
MTZ.9. 5A-T2
MTZ.9. 5A-T2
MTZ.9. 10-T2
MTZ.9. 10-T2 (H)

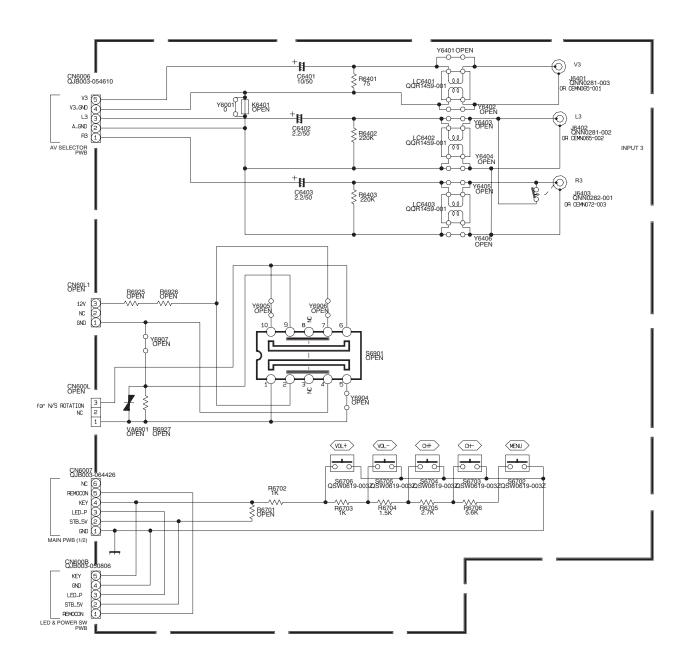
2 Vp-p

AV SELECTOR PWB ASS'Y SGJ-5506A-M2



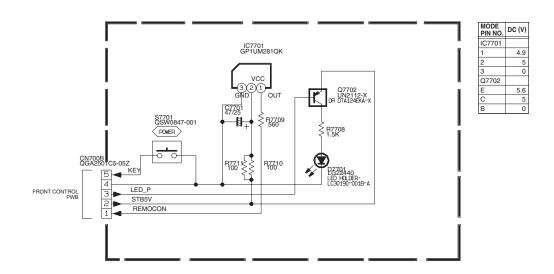
2-11 No.YA057





FRONT CONTROL PWB ASS'Y SGJ-6506A-M2

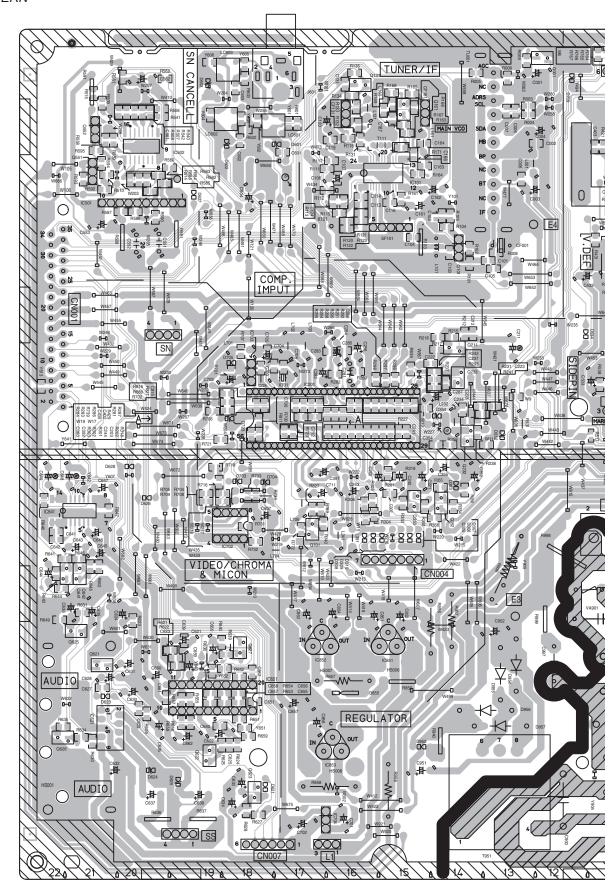
2-13 No.YA057



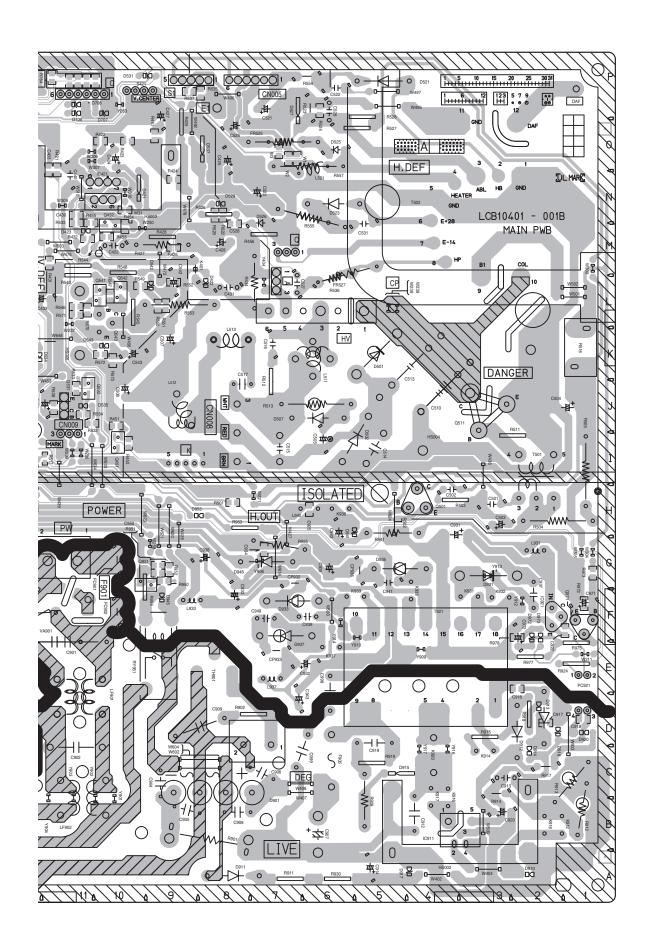
LED & POWER SW PWB ASS'Y SGJ-7506A-M2

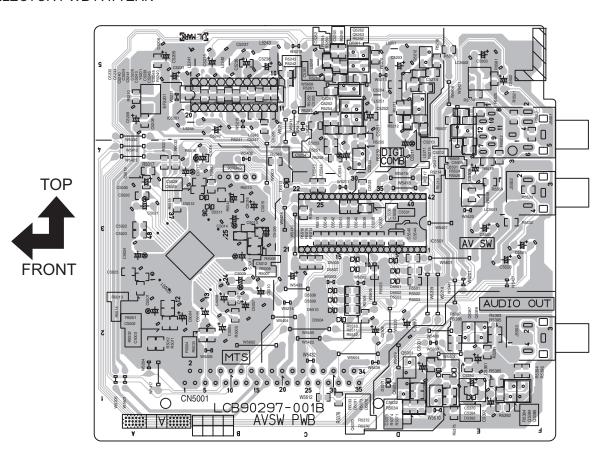
MAIN PWB PATTERN

FRONT

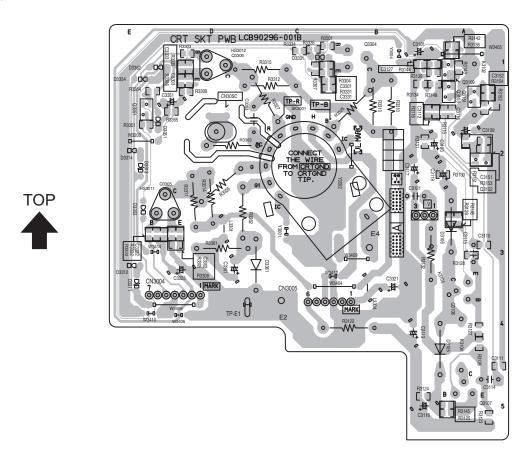


2-15 No.YA057

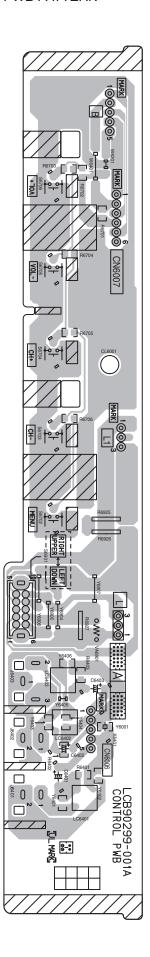




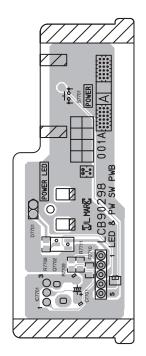
CRT SOCKET PWB PATTERN



2-17 No.YA057



FRONT





CHANNEL CHART (US)

МО	MODE		CHANNEL		TUNER
TV	CATV	BAND	REAL	DISP.	BAND
0	0	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12		П
			A B	14 15	I
×		MID	C D E F G H	16 17 18 19 20 21	П
		SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	
			W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
		HYPER	W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MODE			CHANNEL		TUNER
TV	CATV	BAND	REAL	DISP.	BAND
×		ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+66 W+67 W+68 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I
0	×	UHF	14 ¿ 69		IV
TOTAL 180CH { VHF 124CH { UHF 56CH					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					

2-19 No.YA057

CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER
TV			REAL	DISP.	BAND
	0	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12		
		MID	A B C D E F G H	14 15 16 17 18 19 20 21	п
		SUPER	J K L M N	23 24 25 26 27 28	
×			P Q R S T U V W	29 30 31 32 33 34 35 36	
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Ш
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV

MODE		BAND	CHANNEL		TUNER
TV	CATV	BAND	REAL	DISP.	BAND
X		ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+57 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 123 124	IV
			W+84 A-8	125 01	I
		SUB MID	A-4 A-3 A-2 A-1	96 97 98 99	П
0	×	UHF		4) 9	IV
TOTAL 180CH \[VHF 124CH \[UHF 56CH \]					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					

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